

Cura Software User Manual

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Cura Software

1.Installation of Cura14.07

a: Where can I find the software?

1) TF card with shipment;

2) download from Internet; b: Installation process


1) From TF card with shipment



Insert TF card and open the file

1.1 File location in the TF card

1) Insert TF card , open the file

名称 ^	修改日期	类型	大小
 Installation Instruction	2016/7/7 星期四 ...	文件夹	
 Print Model STL	2016/6/22 星期三 ...	文件夹	
 Software	2016/7/7 星期四 ...	文件夹	
 Test file GCODE	2016/6/22 星期三 ...	文件夹	
 Tool List&other pictures	2016/7/7 星期四 ...	文件夹	

名称 ^	修改日期	类型	大小
 CH340G Drive	2016/7/7 星期四 ...	文件夹	
 Cura 14.07	2016/7/7 星期四 ...	文件夹	
 RepetierHost_1_0_5	2016/7/7 星期四 ...	文件夹	

名称 ^	修改日期	类型	大小
 Cura download link.txt	2016/7/1 星期五 ...	文本文档	1 KB
 Cura_14.07.exe	2015/8/11 星期二 ...	应用程序	18,377 KB

2) Download from Internet

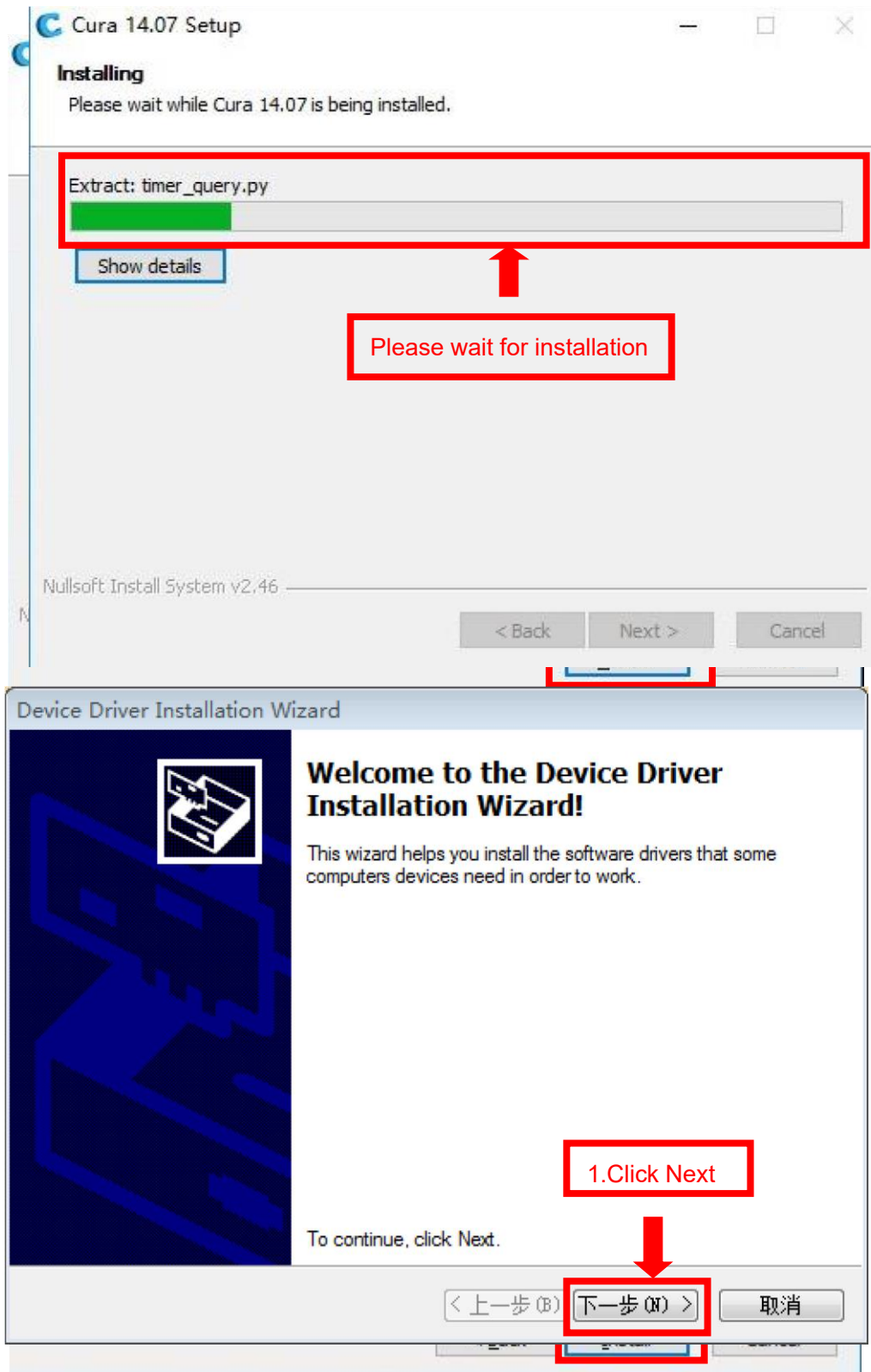
Official Website: <https://ultimaker.com/en/cura-software/list>

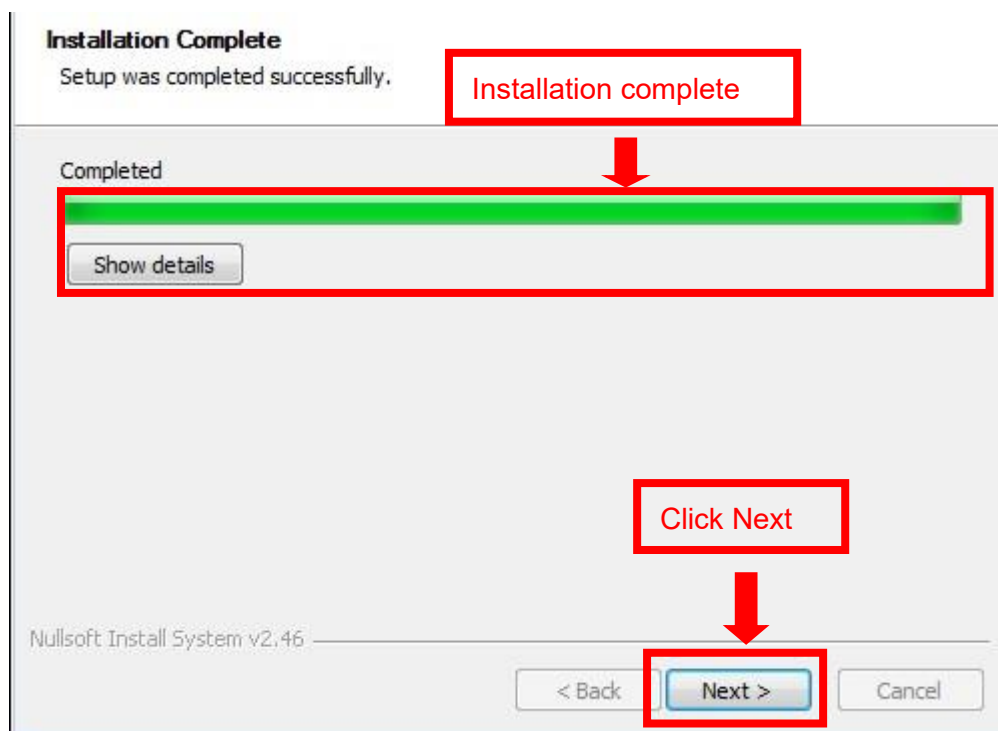
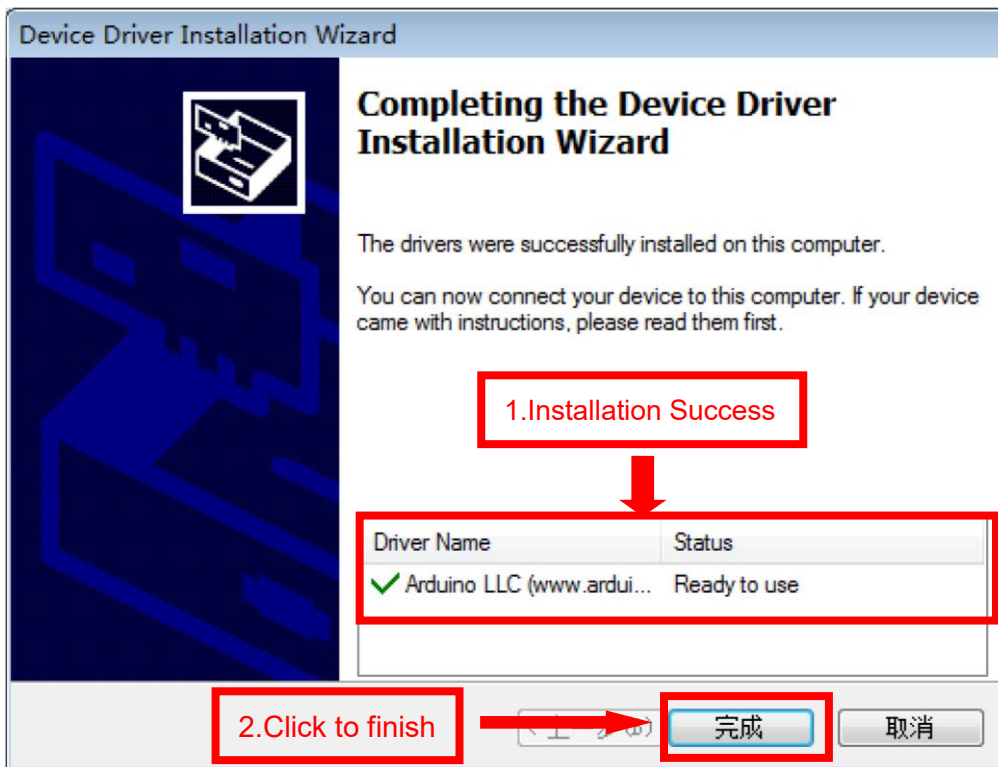
Choose corresponding software to download

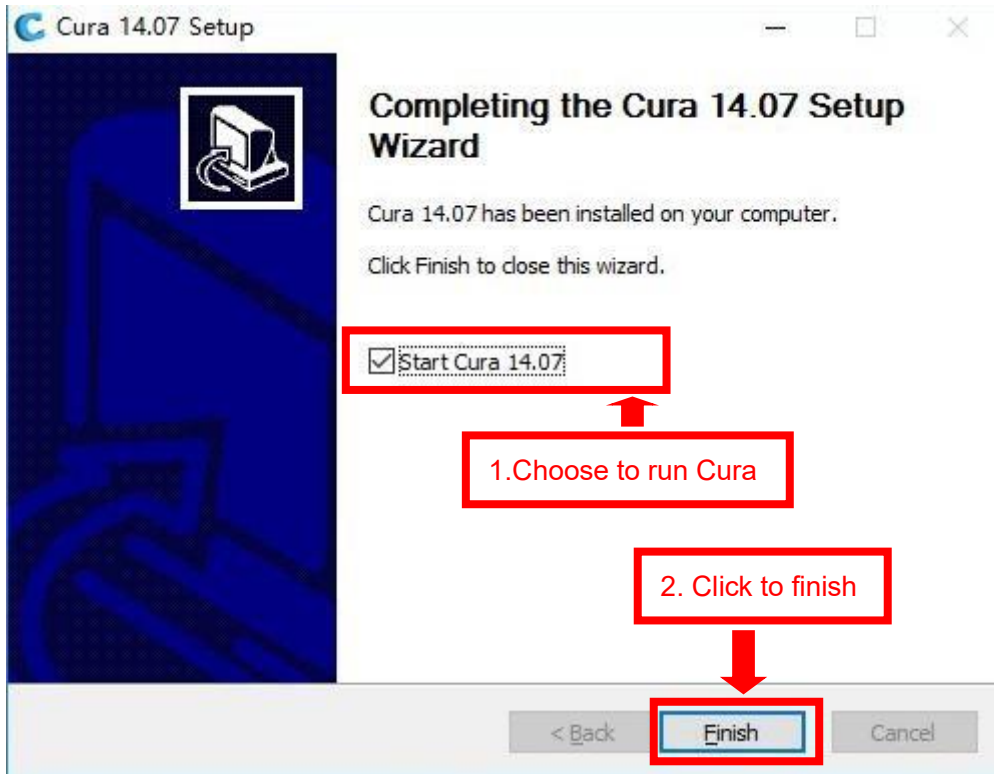
WINDOWS

Version: 2.1.2 32 bit	Release date: 6/7/16
Version: 2.1.2 64 bit	Release date: 6/7/16
Version: 15.04.6	Release date: 6/7/16
Version: 15.04.5	Release date: 3/17/16
Version: 15.04.4	Release date: 1/5/16
Version: 15.04.03	Release date: 11/4/15
Version: 15.04.2	Release date: 7/28/15
Version: 15.04	Release date: 4/15/15
Version: 15.02.1	Release date: 2/19/15
Version: 15.01	Release date: 1/30/15
Version: 14.12	Release date: 12/15/14
Version: 14.09	Release date: 9/19/14
Version: 14.07	Release date: 7/3/14
Version: 14.06	Release date: 6/16/14
Version: 14.03	Release date: 3/17/14
Version: 14.01	Release date: 1/10/14
Version: 13.12	Release date: 12/23/13
Version: 13.11	Release date: 11/22/13
Version: 13.10	Release date: 10/18/13
Version: 13.06.4	Release date: 6/26/13
Version: 13.04	Release date: 4/26/13
Version: 13.03	Release date: 3/8/13
Version: 12.12	Release date: 12/24/12
Version: 12.11	Release date: 11/12/12
Version: 12.10	Release date: 11/8/12

b. Software Installation Process







Configuration Wizard

Custom RepRap information

RepRap machines can be vastly different, so here you can set your own settings.
Be sure to review the default profile before running it on your machine.
If you like a default profile for your machine added, then make an issue on github.

You will have to manually install Marlin or Sprinter. **1. Choose software to customize**

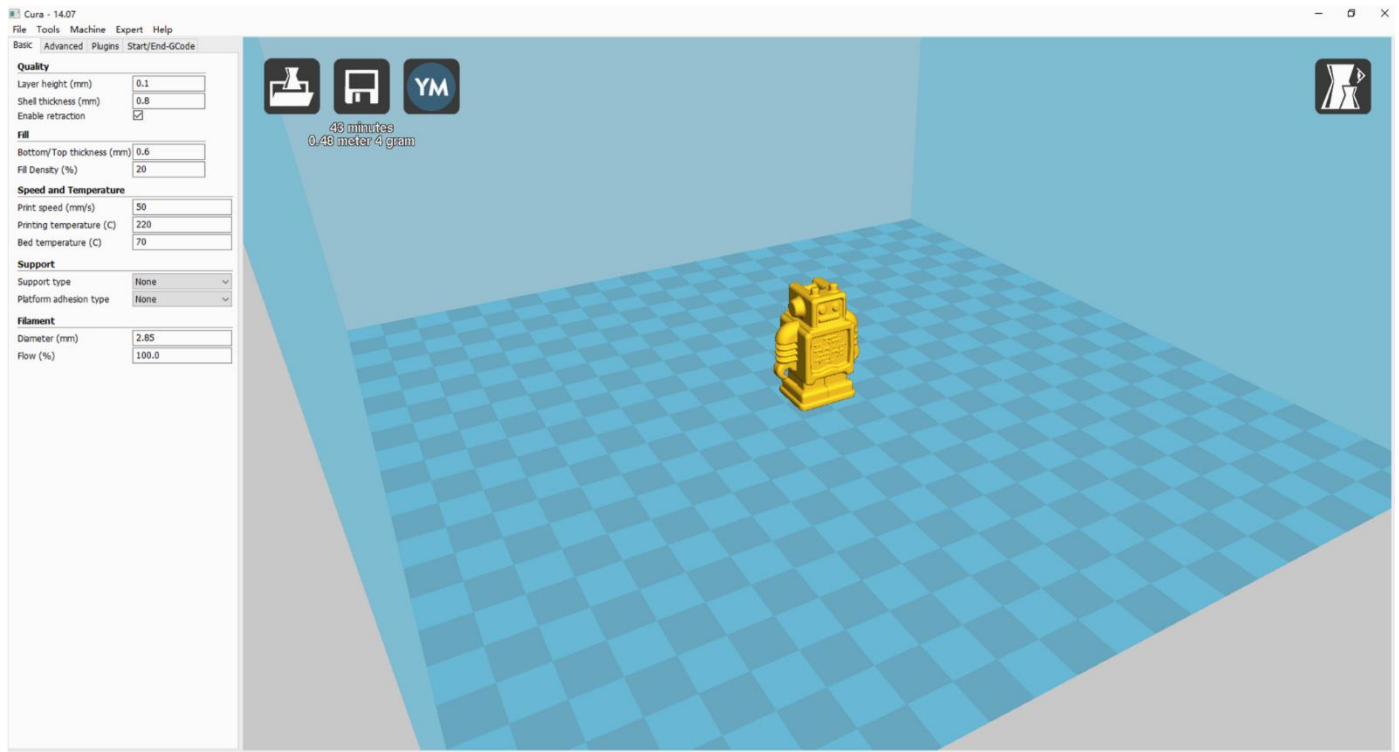
Machine name: **This is A8 V2 parameter**
You can customize name here.

Machine width (mm):
Machine depth (mm):
Machine height (mm):
Nozzle size (mm):
**We default these data .
You can fill in according to
actual condition**

Heated bed:
Bed center is 0,0,0 (RoStock):
DO NOT choose this option !!!
Choose this option

1. Click to finish

< Back **Finish** Cancel



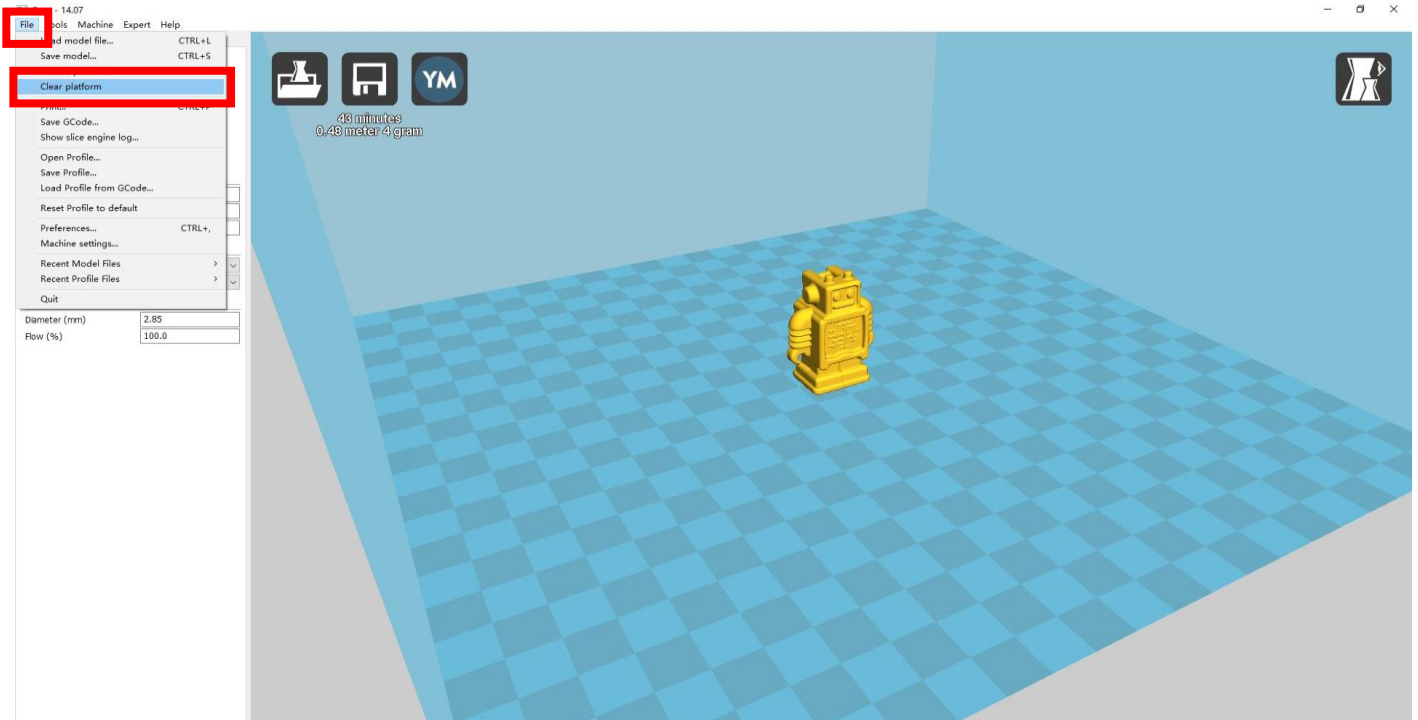
Now you have finished the installation. Next , enter Cura .

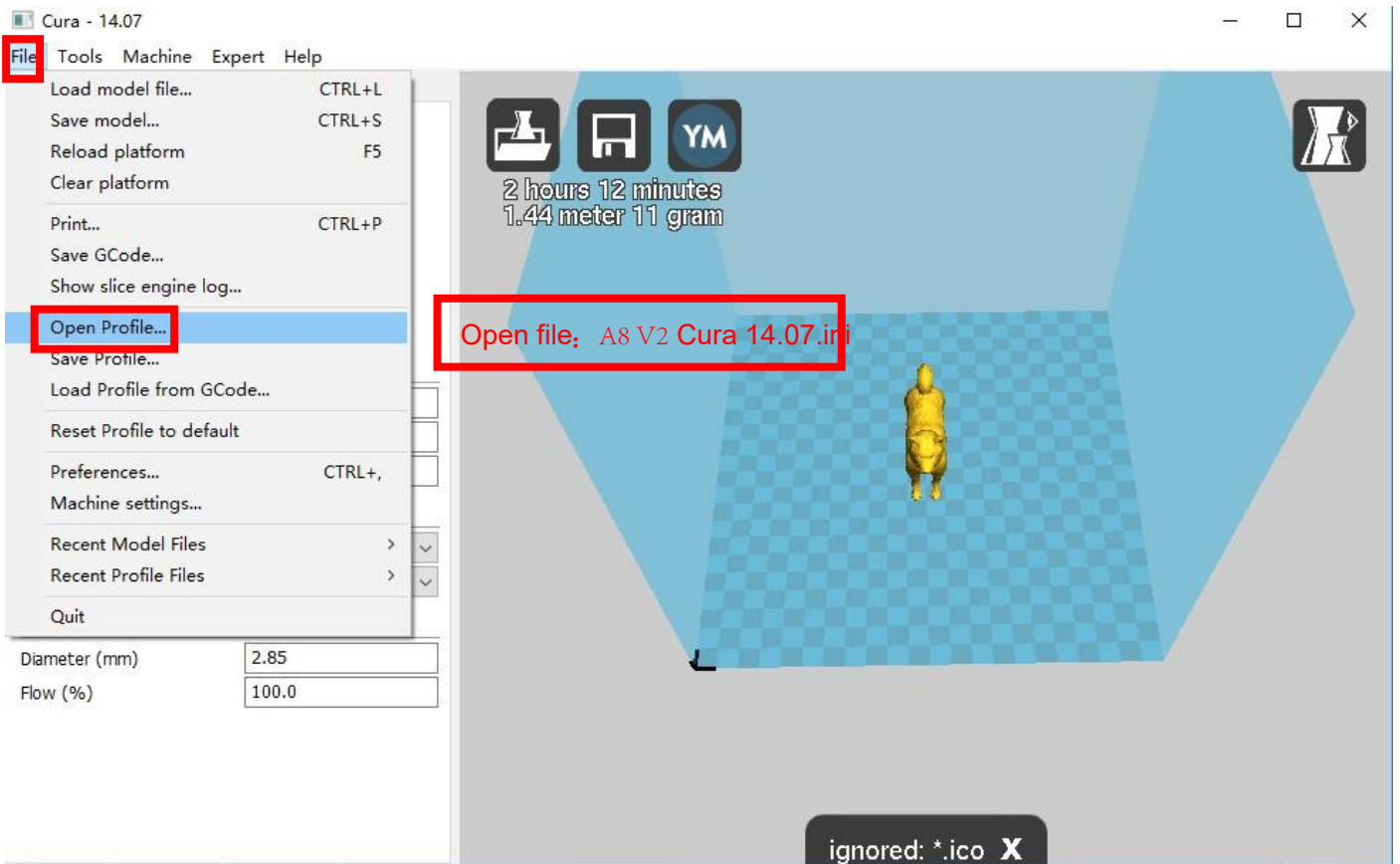
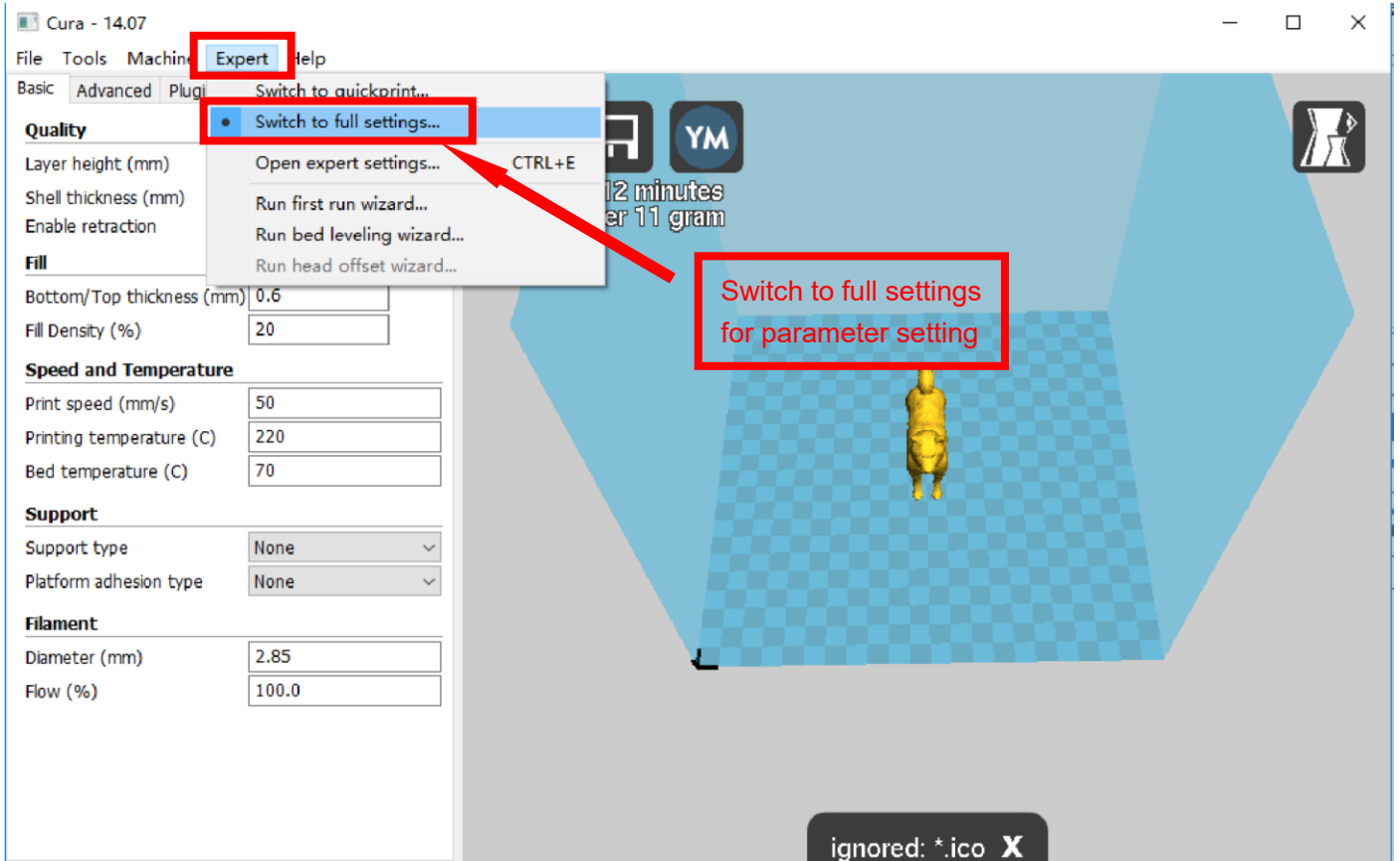
2. Cura Setting

2.1 Clear platform

Delete the dog. Two ways for you :

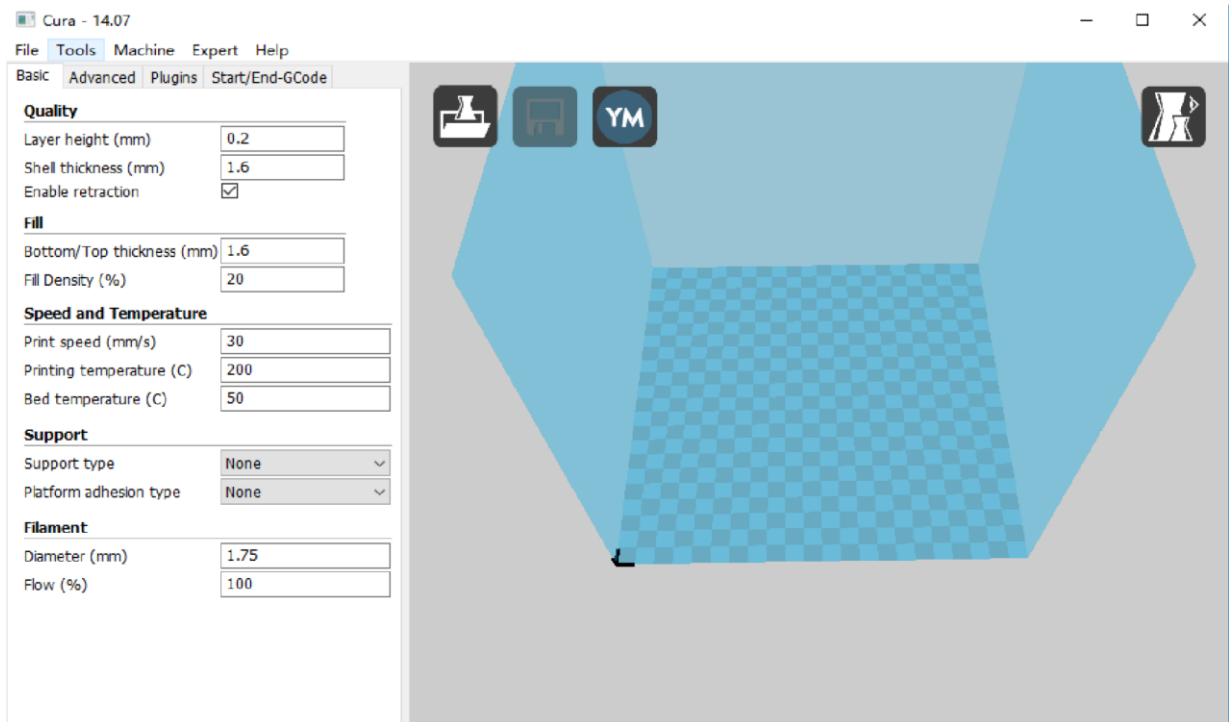
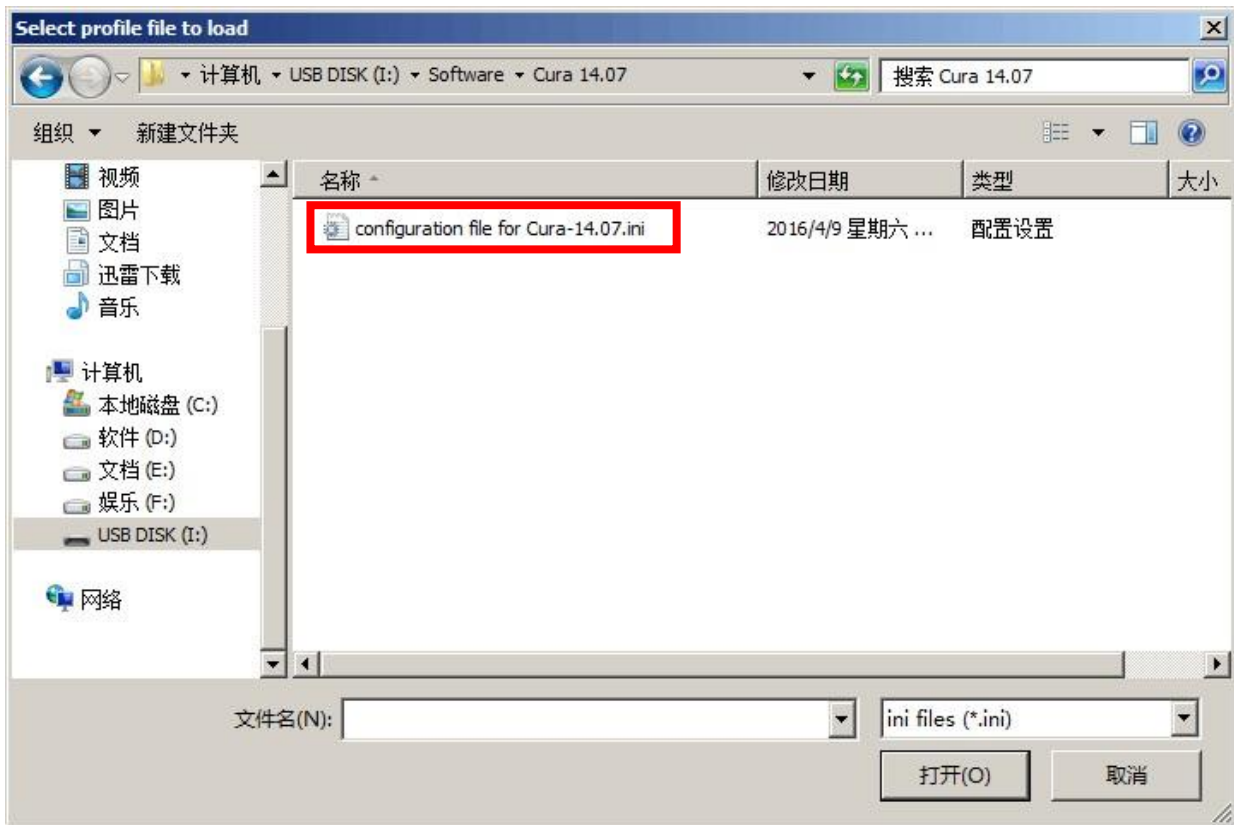
1. Move mouse to dog ,right click, click “delete object”.
2. Left click “File” , choose ”Clear platform”.

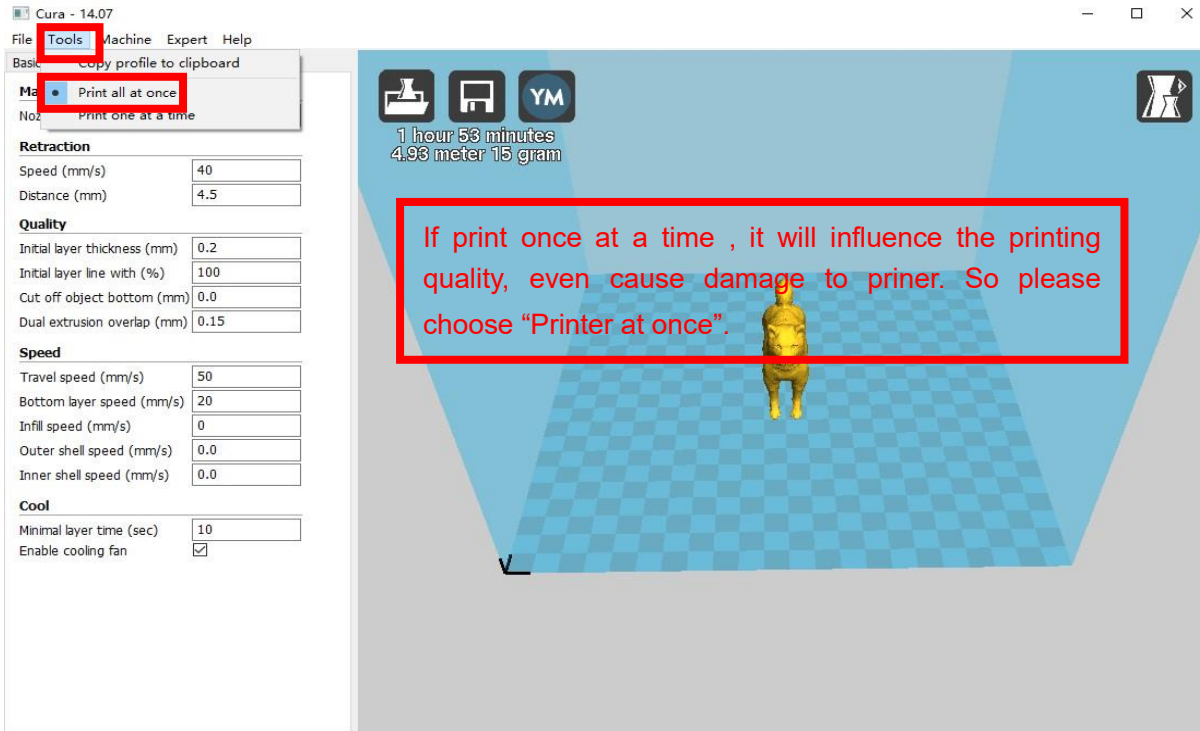




Position of configuration file: Computer/TF card)/ configuration file for cura-14.07

(suggestion :keep this file copy to your computer)





2.2 Layer height settings

Cura - 14.07

File Tools Machine Expert Help

Basic Advanced Plugins Start/End-GCode

Quality

Layer height (mm)

Shell thickness (mm)

Enable retraction

Fill

Bottom/Top thickness (mm)

Fill Density (%)

Speed and Temperature

Print speed (mm/s)

Printing temperature (C)

Bed temperature (C)

Support

Support type

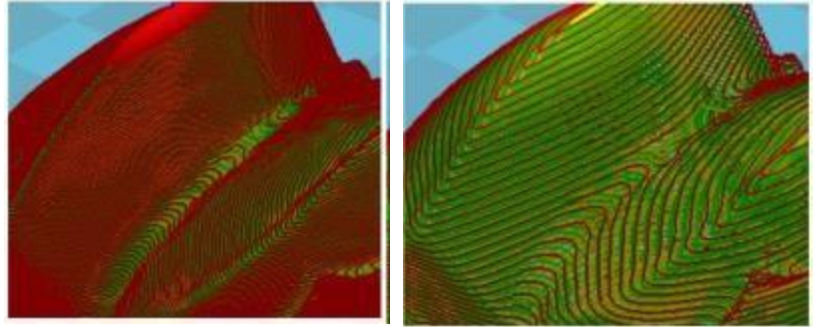
Platform adhesion type

Filament

Diameter (mm)

Flow (%)

Layer height ; 0.1mm cost long time but have the best printing precision. 0.2mm cost half time compared to 0.1mm , but have general printing precision. 0.3 cost less time with not good precision. It defaults 0.2mm.



Left; 0.1mm Layer height

Right; 0.2mm Layer height

Layer height setting

Cura - 14.07

File Tools Machine Expert Help

Basic Advanced Plugins Start/End-GCode

Quality

Layer height (mm)

Shell thickness (mm)

Enable retraction

Fill

Bottom/Top thickness (mm)

Fill Density (%)

Speed and Temperature

Print speed (mm/s)

Printing temperature (C)

Bed temperature (C)

Support

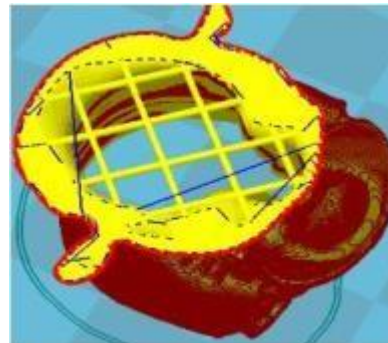
Support type

Platform adhesion type

Filament

Diameter (mm)

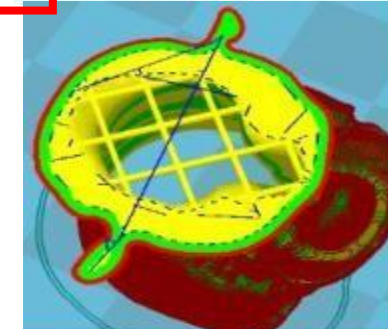
Flow (%)



0.8mm



1.2mm



2mm

Shell thickness setting

0.8mm is too thin for shell, 2mm shell costs more time , 1.2mm is relatively better. Please use the integer multiple of nozzle diameter.

Cura - 14.07

File Tools Machine Expert Help

Basic Advanced Plugins Start/End-GCode

Quality

Layer height (mm) 0.2

Shell thickness (mm) 1.2

Enable retraction

Fill

Bottom/Top thickness (mm) 1.2

Fill Density (%) 20

Speed and Temperature

Print speed (mm/s) 30

Printing temperature (C) 200

Bed temperature (C) 50

Support

Support type None

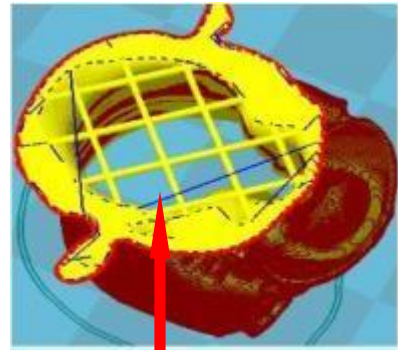
Platform adhesion type None

Filament

Diameter (mm) 1.75

Flow (%) 100

Enable retraction to avoid filaments leakage when nozzles move in empty area



The Blue line is the leak filament

Enable retraction

Cura - 14.07

File Tools Machine Expert Help

Basic Advanced Plugins Start/End-GCode

Quality

Layer height (mm) 0.2

Shell thickness (mm) 1.2

Enable retraction

Fill

Bottom/Top thickness (mm) 1.2

Fill Density (%) 20

Speed and Temperature

Print speed (mm/s) 30

Printing temperature (C) 200

Bed temperature (C) 50

Support

Support type None

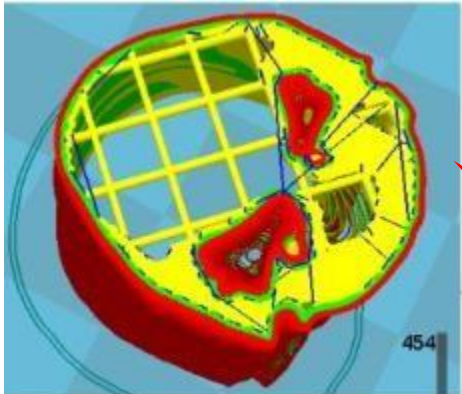
Platform adhesion type None

Filament

Diameter (mm) 1.75

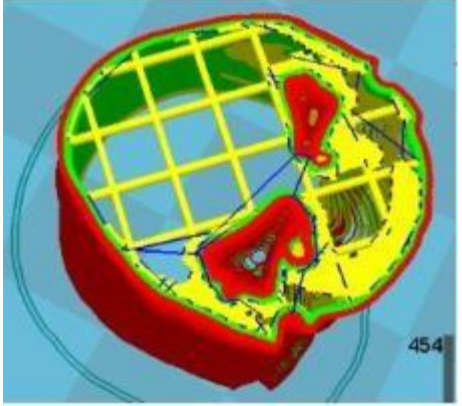
Flow (%) 100

When fill density is less than 20%, it's easy for 0.6mm thickness to cause hollow on the top. 1.2mm normally won't have this issue.



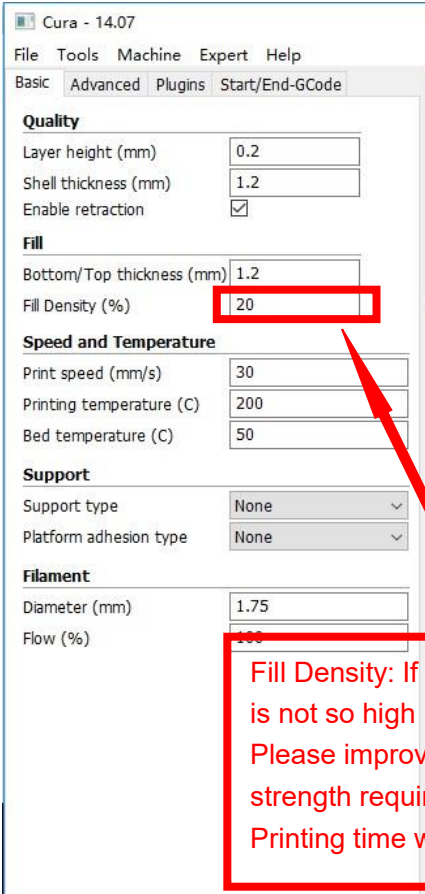
Bottom/Top thickness: 1.2mm

Under the same fill density

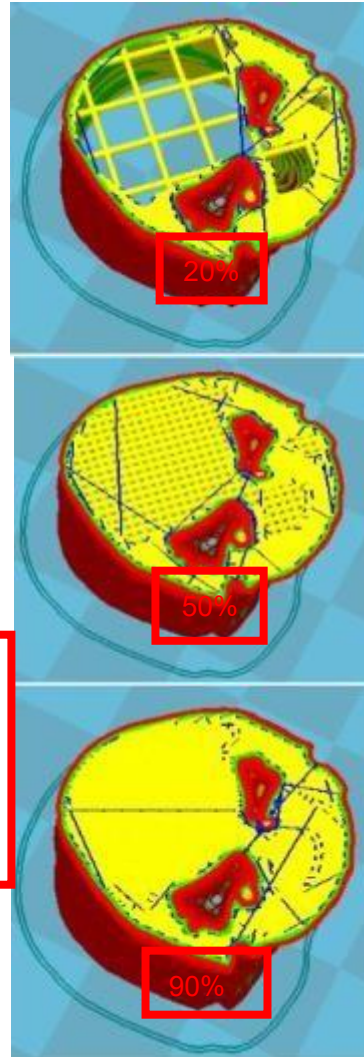


Bottom/Top thickness: 0.6mm

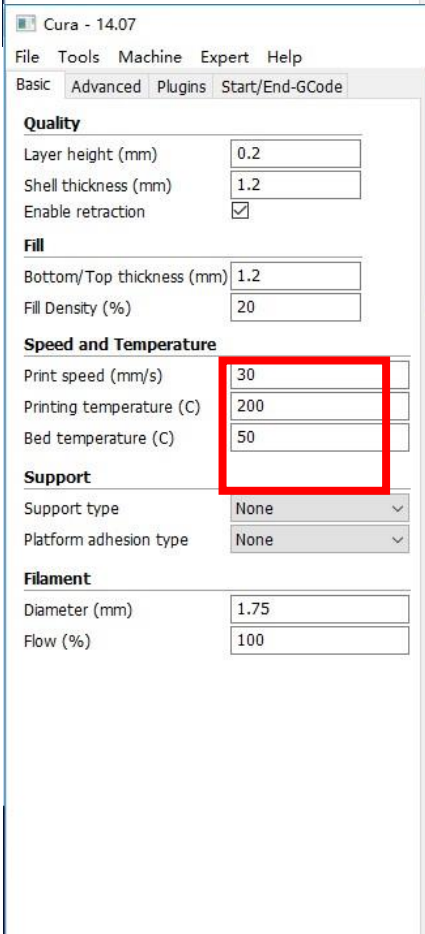
Bottom/Top thickness setting



Fill Density Setting



Printing Speed setting



Printing Temperature

PLA filament temperature setting: nozzle: 190-210 °C hotbed: 40-60°C

ABS filament temperature setting: nozzle: 230-250°C hotbed: 60-90°C

Quality

Layer height (mm)
Shell thickness (mm)
Enable retraction

Fill

Bottom/Top thickness (mm)
Fill Density (%)

Speed and Temperature

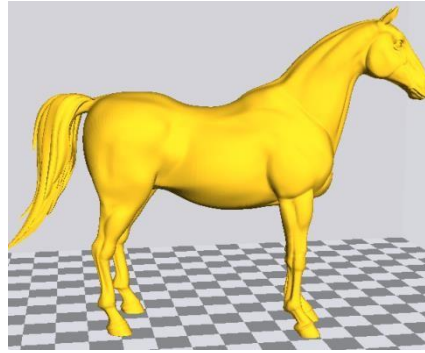
Print speed (mm/s)
Printing temperature (C)
Bed temperature (C)

Support

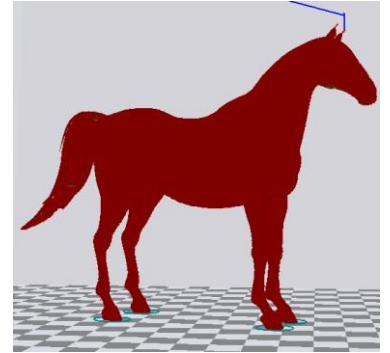
Support type
Platform adhesion type

Filament

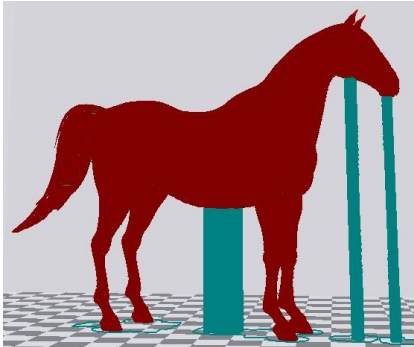
Diameter (mm)
Flow (%)



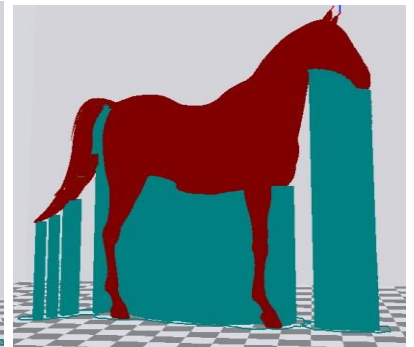
Original Model



Support type: None



Support type: Touching



Support type: Everywhere

Support type setting

Attention: Normally we add support to complex model or model with vacant parts. It may have influence on the surface if you choose everywhere. You'd better circle around the model and try to avoid unnecessary support.

Quality

Layer height (mm)	<input type="text" value="0.2"/>
Shell thickness (mm)	<input type="text" value="1.2"/>
Enable retraction	<input checked="" type="checkbox"/>

Fill

Bottom/Top thickness (mm)	<input type="text" value="1.2"/>
Fill Density (%)	<input type="text" value="20"/>

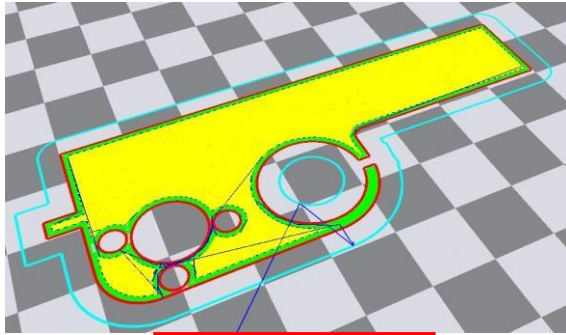
Speed and Temperature

Print speed (mm/s)	<input type="text" value="30"/>
Printing temperature (C)	<input type="text" value="200"/>
Bed temperature (C)	<input type="text" value="50"/>

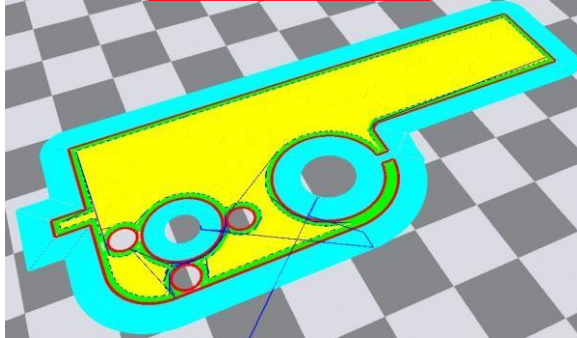
Support

Support type	<input type="text" value="None"/>
Platform adhesion type	<input type="text" value="None"/>
Filament	<input type="text" value="None"/>
Diameter (mm)	<input type="text" value="Brim"/>
Flow (%)	<input type="text" value="Raft"/>
	<input type="text" value="100"/>

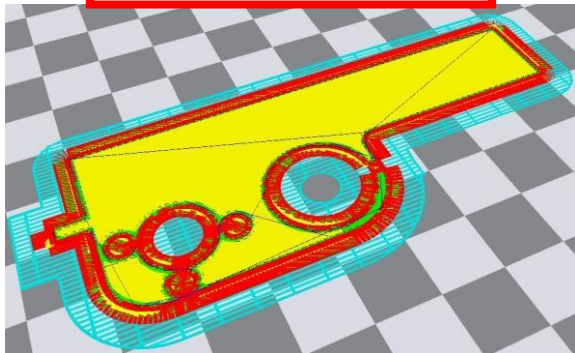
Support setting



None: no support

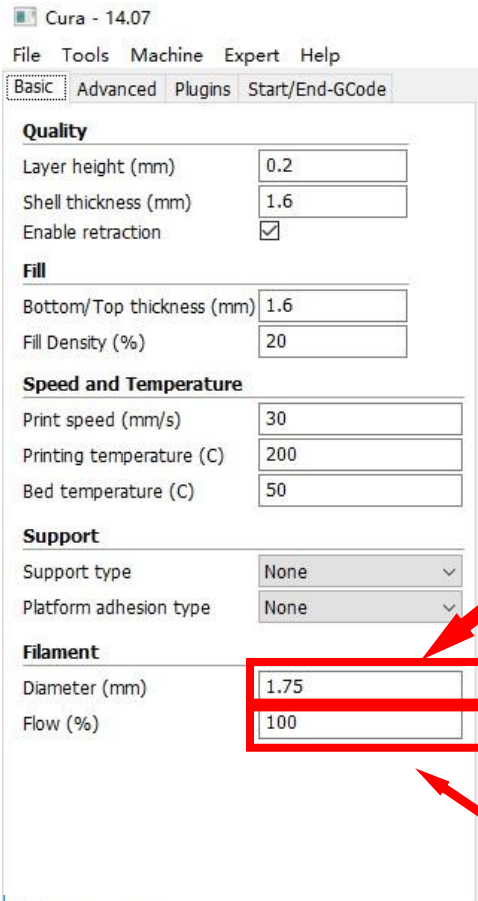


Brim: Touch with the edge



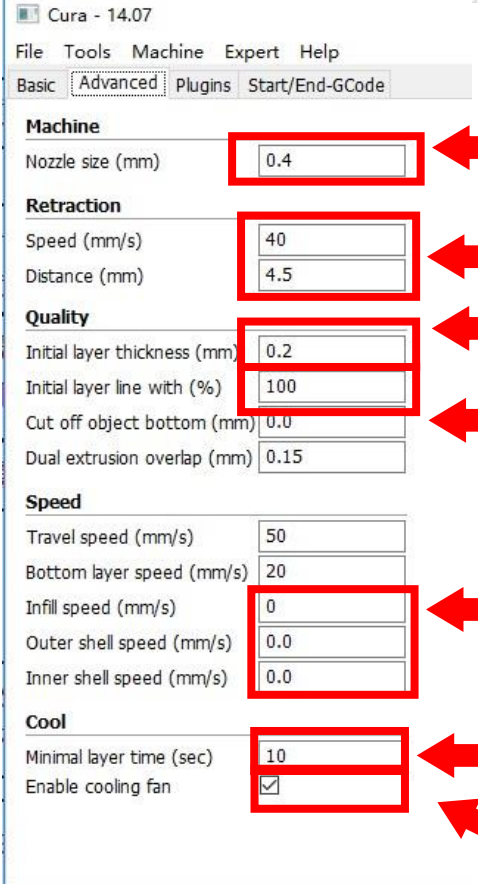
Raft: Totally touch with the bottom

Attention: please choose None if the printing platform is ready and the high temperature adhesive tape is good. Please choose Brim when the model is small . Choosing Raft makes it difficult to seperate model from the platform



Attention: A8 V2 use 1.75mm filament

Attention:
Flow is proportion of filament , we suggest to use 100
Increasing flow & decrease diameter has the similar effect.
Model surface gets many bumps when flow is too big;model frame gets flimsy if flow is too small.



We suggest not to change it , A8 default 0.4mm

We suggest not to change it , or use the date in the picture

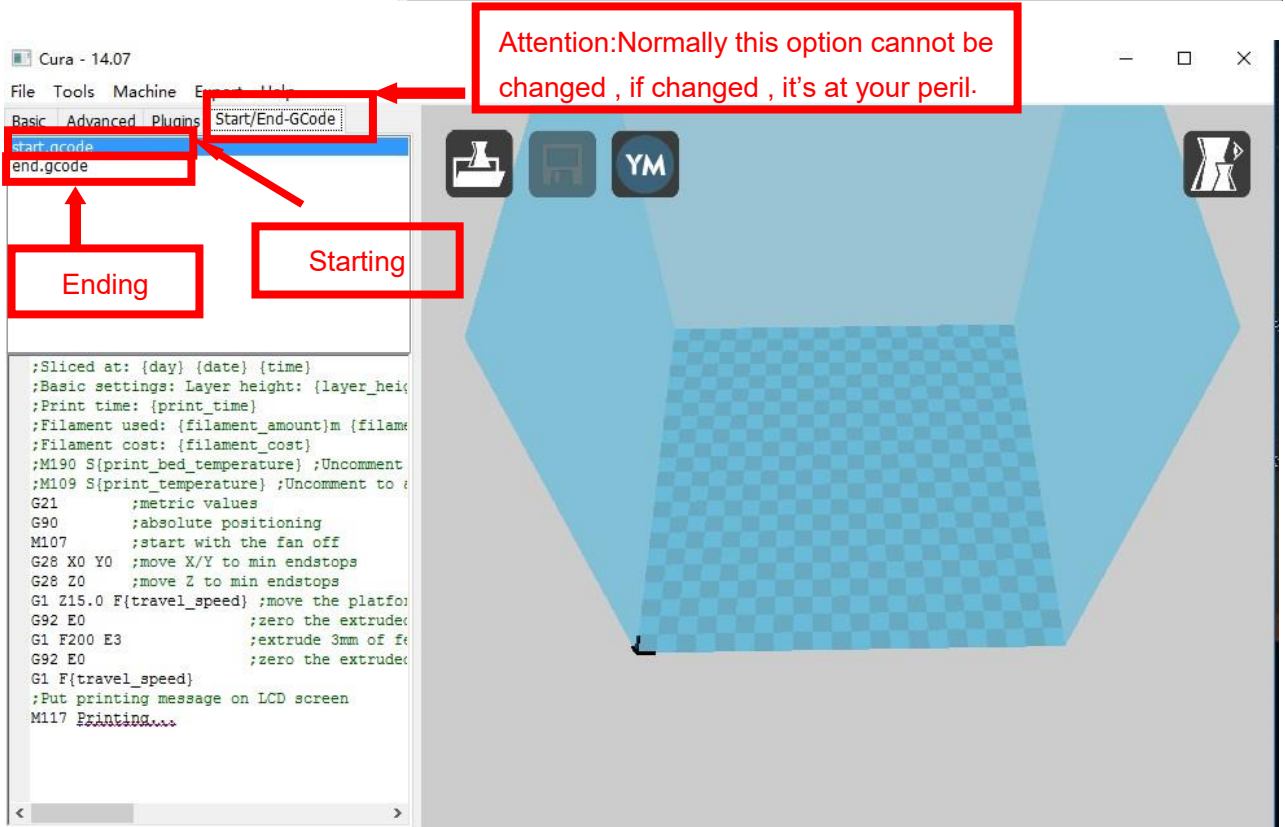
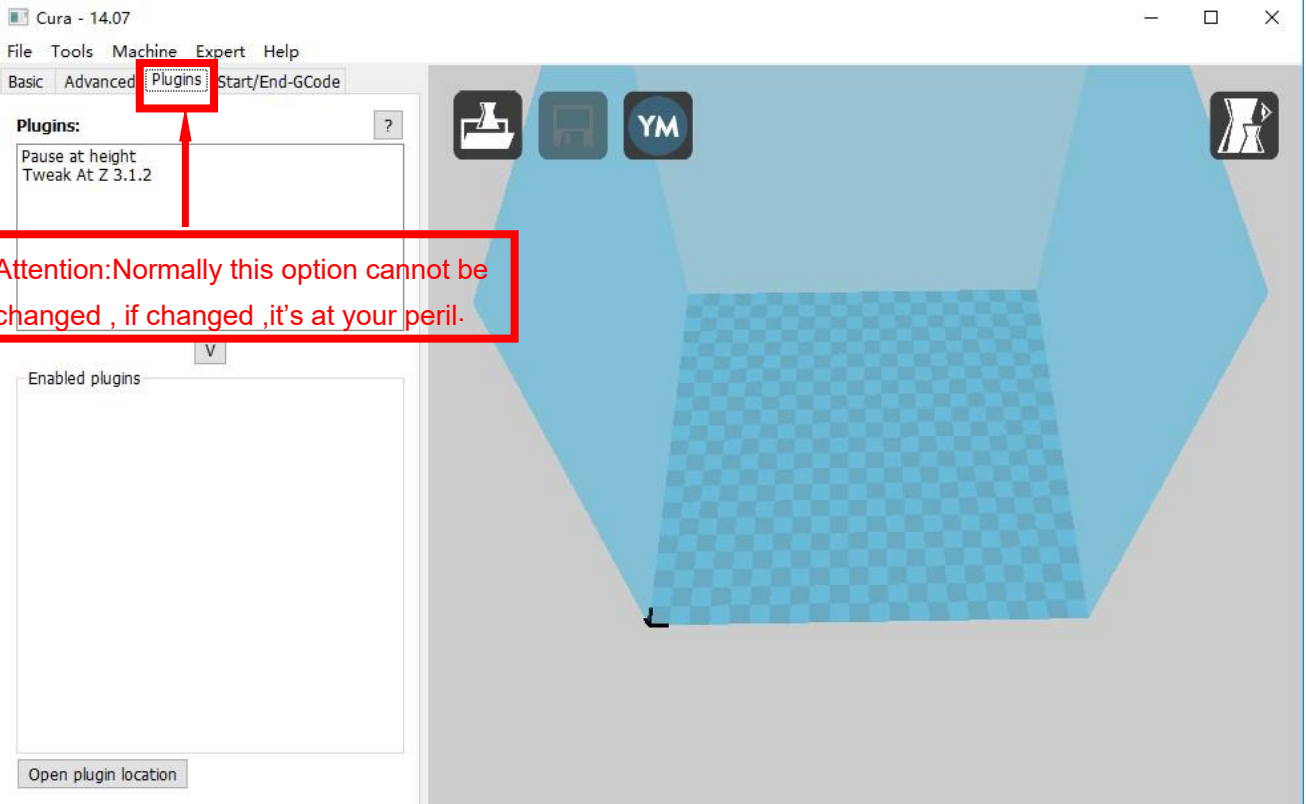
We suggest 0.2mm to avoid initial layer tilt,0.3mm is more easy to separate from the platform.

Initial layer line proportion

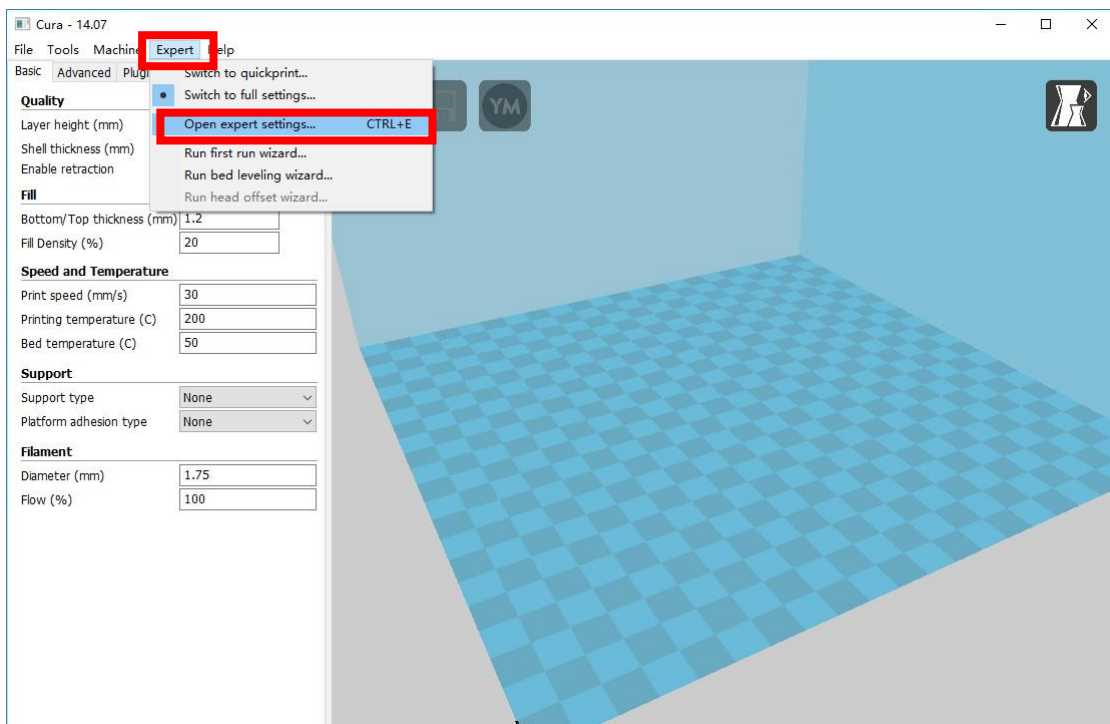
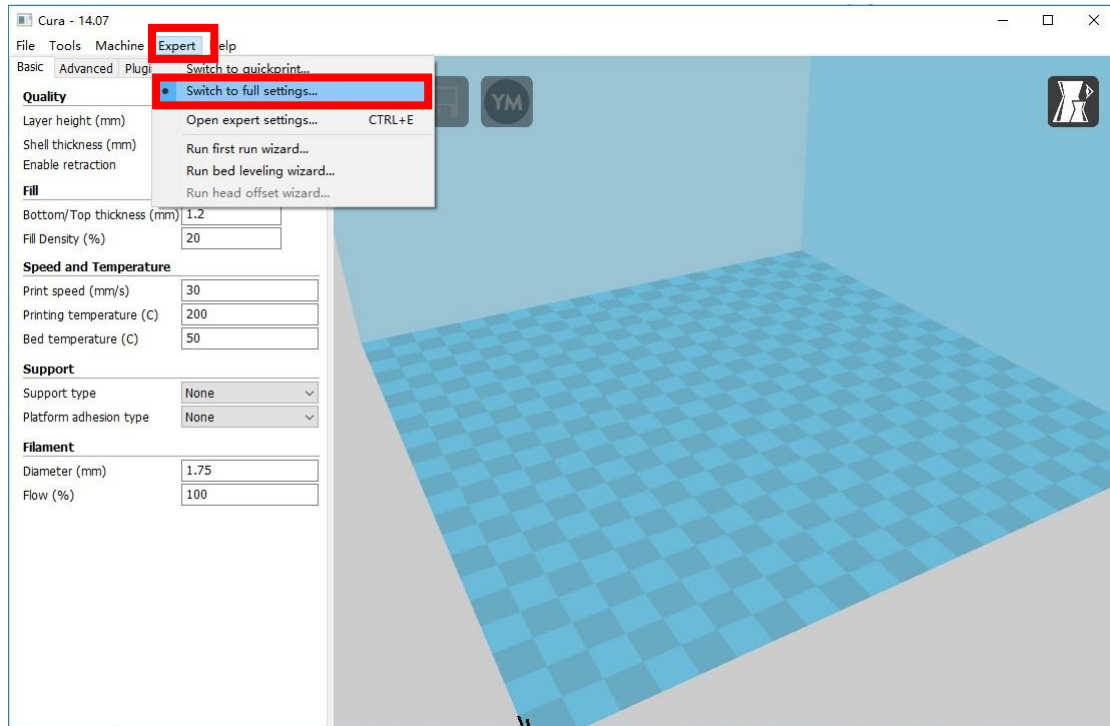
"0" means using default speed

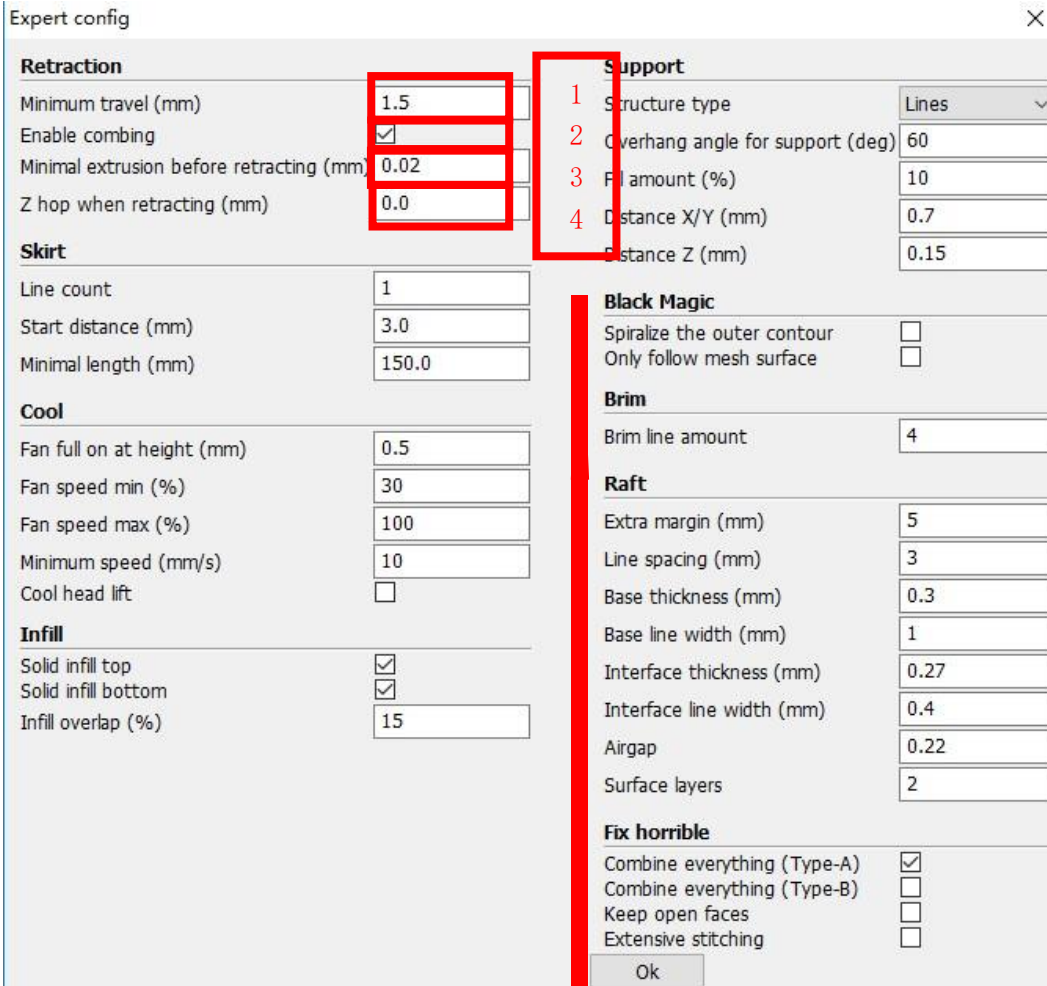
Min printing time for each layer. When the time is less than 10 , it prints slower. It's better to decrease time when printing thin and long models.

We suggest not choose this when printing ABS.

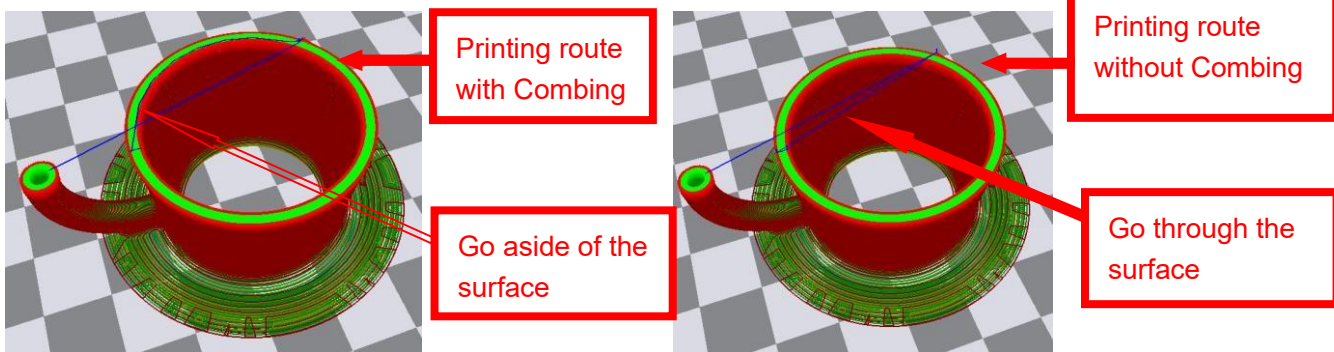


2.3 Expert Setting





1. The minimum length before retraction . Used to avoid frequent retraction. No need to change.
2. Enable Combing: Digital for surface quality , the nozzle will try not to go through surface , that's why Cura is better than Slic3r.
3. Minimum extrusion length , to avoid frequent extrusion.
4. The height extruder rise in the retraction . If you need to set this option , 2mm is suitable .



Expert config ×

Retraction	
Minimum travel (mm)	1.5
Enable combing	<input checked="" type="checkbox"/>
Minimal extrusion before retracting (mm)	0.02
Z hop when retracting (mm)	0.0

Skirt	
Line count	1
Start distance (mm)	3.0
Minimal length (mm)	150.0

Cool	
Fan full on at height (mm)	0.5
Fan speed min (%)	30
Fan speed max (%)	100
Minimum speed (mm/s)	10
Cool head lift	<input type="checkbox"/>

Infill	
Solid infill top	<input checked="" type="checkbox"/>
Solid infill bottom	<input checked="" type="checkbox"/>
Infill overlap (%)	15

Support	
Structure type	Lines
Overhang angle for support (deg)	60
Fill amount (%)	10
Distance X/Y (mm)	0.7
Distance Z (mm)	0.15

Black Magic	
Spiralize the outer contour	<input type="checkbox"/>
Only follow mesh surface	<input type="checkbox"/>

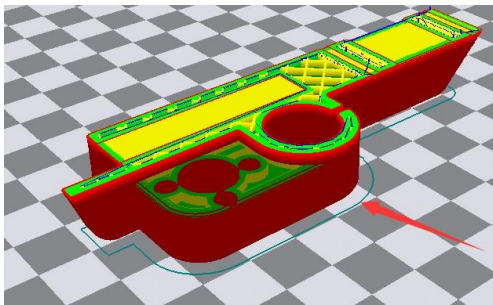
Brim	
Brim line amount	4

Raft	
Extra margin (mm)	5
Line spacing (mm)	3
Base thickness (mm)	0.3
Base line width (mm)	1
Interface thickness (mm)	0.27
Interface line width (mm)	0.4
Airgap	0.22
Surface layers	2

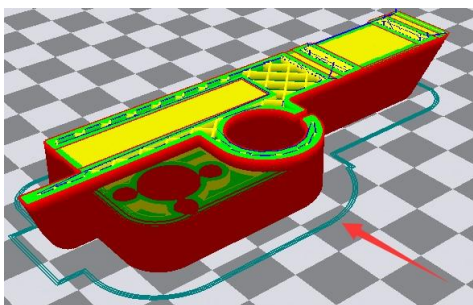
Fix horrible	
Combine everything (Type-A)	<input checked="" type="checkbox"/>
Combine everything (Type-B)	<input type="checkbox"/>
Keep open faces	<input type="checkbox"/>
Extensive stitching	<input type="checkbox"/>

Ok

Skirt is to avoid extruder unfilled before printing , and it appears only when platform attachment type is None. Normally "1" is ok . Change it to "0" when your model reaches the maximum size , or the printing size will be too big.



Peripheral line quantity: 1
Start distance: 3



Peripheral line quantity: 1
Start distance: 3

Expert config ×

Retraction	
Minimum travel (mm)	1.5
Enable combing	<input checked="" type="checkbox"/>
Minimal extrusion before retracting (mm)	0.02
Z hop when retracting (mm)	0.0

Skirt	
Line count	1
Start distance (mm)	3.0
Minimal length (mm)	150.0

Cool	
Fan full on at height (mm)	0.5
Fan speed min (%)	30
Fan speed max (%)	100
Minimum speed (mm/s)	10
Cool head lift	<input type="checkbox"/>

Infill	
Solid infill top	<input checked="" type="checkbox"/>
Solid infill bottom	<input checked="" type="checkbox"/>
Infill overlap (%)	15

Support	
Structure type	Lines
Overhang angle for support (deg)	60
Fill amount (%)	10
Distance X/Y (mm)	0.7
Distance Z (mm)	0.15

Black Magic	
Spiralize the outer contour	<input type="checkbox"/>
Only follow mesh surface	<input type="checkbox"/>

Brim	
Brim line amount	4

Raft	
Extra margin (mm)	5
Line spacing (mm)	3
Base thickness (mm)	0.3
Base line width (mm)	1
Interface thickness (mm)	0.27
Interface line width (mm)	0.4
Airgap	0.22
Surface layers	2

Fix horrible	
Combine everything (Type-A)	<input checked="" type="checkbox"/>
Combine everything (Type-B)	<input type="checkbox"/>
Keep open faces	<input type="checkbox"/>
Extensive stitching	<input type="checkbox"/>

Ok

1. To ensure the attachment of model to platform , fan won't start at the beginning.
- 2-4. Fan speed min & max : If they are not equal , the soft ware will choose a suitable speed during them.
5. Condition to choose cool head lift : When it's printing with the minimum speed but still cannot reach the minimum time , you need to choose cool head lift . But it may cause filament leak.

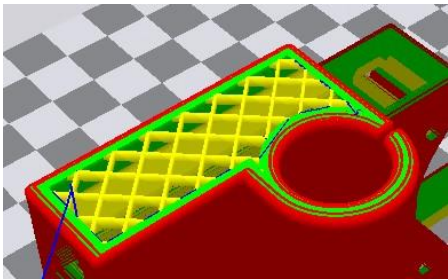
Expert config ✕

Retraction	
Minimum travel (mm)	1.5
Enable combing	<input checked="" type="checkbox"/>
Minimal extrusion before retracting (mm)	0.02
Z hop when retracting (mm)	0.0
Skirt	
Line count	1
Start distance (mm)	3.0
Minimal length (mm)	150.0
Cool	
Fan full on at height (mm)	0.5
Fan speed min (%)	30
Fan speed max (%)	100
Minimum speed (mm/s)	10
Cool head lift	<input type="checkbox"/>
Infill	
Solid infill top	<input checked="" type="checkbox"/>
Solid infill bottom	<input checked="" type="checkbox"/>
Infill overlap (%)	15

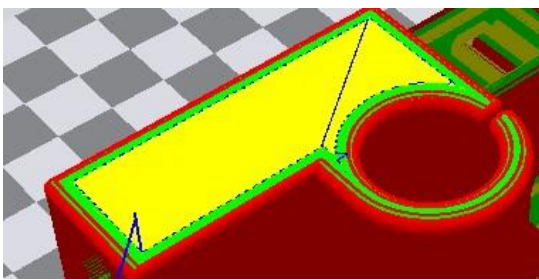
Support	
Structure type	Lines
Overhang angle for support (deg)	60
Fill amount (%)	10
Distance X/Y (mm)	0.7
Distance Z (mm)	0.15
Black Magic	
Spiralize the outer contour	<input type="checkbox"/>
Only follow mesh surface	<input type="checkbox"/>
Brim	
Brim line amount	4
Raft	
Extra margin (mm)	5
Line spacing (mm)	3
Base thickness (mm)	0.3
Base line width (mm)	1
Interface thickness (mm)	0.27
Interface line width (mm)	0.4
Airgap	0.22
Surface layers	2
Fix horrible	
Combine everything (Type-A)	<input checked="" type="checkbox"/>
Combine everything (Type-B)	<input type="checkbox"/>
Keep open faces	<input type="checkbox"/>
Extensive stitching	<input type="checkbox"/>

Ok

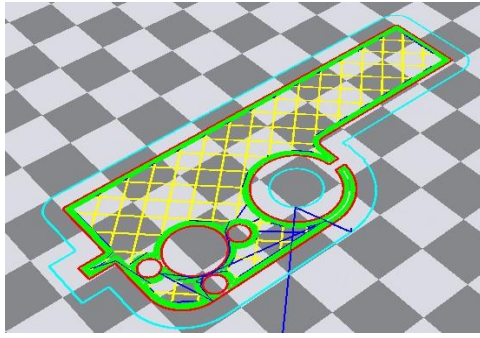
If no solid infill top , the only qualification is the surface thickness .
Please check the detail below.



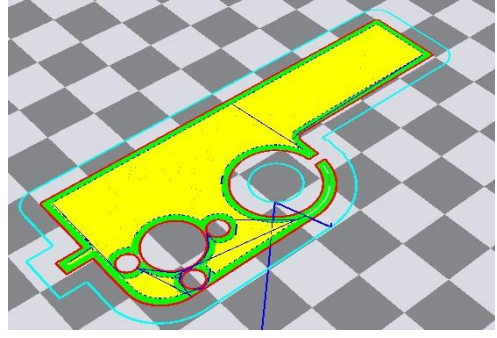
No solid infill top



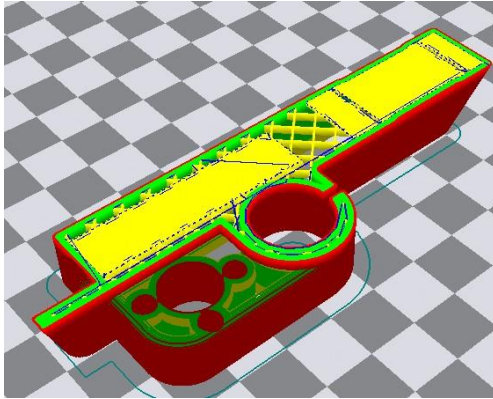
With solid infill top



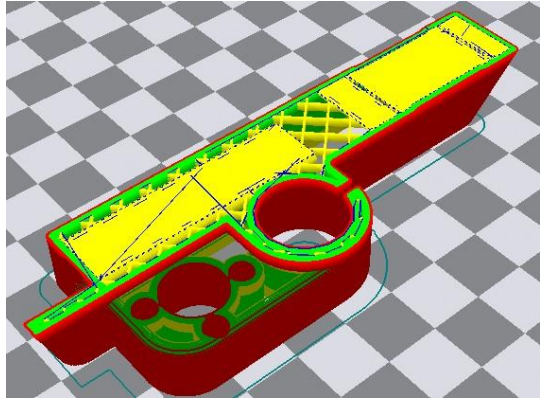
No solid infill bottom



With solid infill bottom



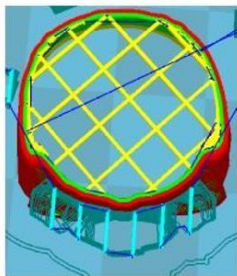
Infill overlap: 20



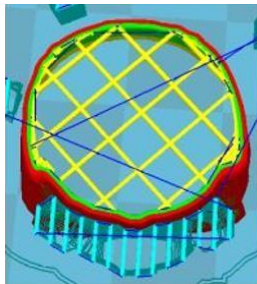
Infill overlap: 40

Expert config ×

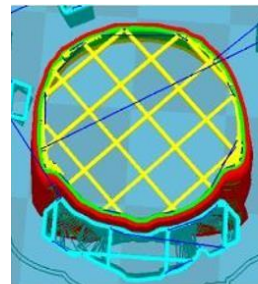
Retraction	
Minimum travel (mm)	1.5
Enable combing	<input checked="" type="checkbox"/>
Minimal extrusion before retracting (mm)	0.02
Z hop when retracting (mm)	0.0
Skirt	
Line count	1
Start distance (mm)	3.0
Minimal length (mm)	150.0
Cool	
Fan full on at height (mm)	0.5
Fan speed min (%)	30
Fan speed max (%)	100
Minimum speed (mm/s)	10
Cool head lift	<input type="checkbox"/>
Infill	
Solid infill top	<input checked="" type="checkbox"/>
Solid infill bottom	<input checked="" type="checkbox"/>
Infill overlap (%)	15
Support	
Structure type	Lines
Overhang angle for support (deg)	60
Fill amount (%)	10
Distance X/Y (mm)	0.7
Distance Z (mm)	0.15
Black Magic	
Spiralize the outer contour	<input type="checkbox"/>
Only follow mesh surface	<input type="checkbox"/>
Brim	
Brim line amount	4
Raft	
Extra margin (mm)	5
Line spacing (mm)	3
Base thickness (mm)	0.3
Base line width (mm)	1
Interface thickness (mm)	0.27
Interface line width (mm)	0.4
Airgap	0.22
Surface layers	2
Fix horrible	
Combine everything (Type-A)	<input checked="" type="checkbox"/>
Combine everything (Type-B)	<input type="checkbox"/>
Keep open faces	<input type="checkbox"/>
Extensive stitching	<input type="checkbox"/>
Ok	



Structure types:lines
 Infill covertap: 15
 Distance X/Y: 0.7



Structure types:lines
 Infill covertap: 30
 Distance X/Y: 0.7



Structure types:grids
 Infill covertap: 15
 Distance X/Y: 0.7

These above are examples , you can set these options according to actual requirements. The biggest progress Cura has made is the kinds of support structure types , making it easier to separate from the model.

Expert config ×

Retraction	
Minimum travel (mm)	1.5
Enable combing	<input checked="" type="checkbox"/>
Minimal extrusion before retracting (mm)	0.02
Z hop when retracting (mm)	0.0

Skirt	
Line count	1
Start distance (mm)	3.0
Minimal length (mm)	150.0

Cool	
Fan full on at height (mm)	0.5
Fan speed min (%)	30
Fan speed max (%)	100
Minimum speed (mm/s)	10
Cool head lift	<input type="checkbox"/>

Infill	
Solid infill top	<input checked="" type="checkbox"/>
Solid infill bottom	<input checked="" type="checkbox"/>
Infill overlap (%)	15

Support	
Structure type	Lines
Overhang angle for support (deg)	60
Fill amount (%)	10
Distance X/Y (mm)	0.7
Distance Z (mm)	0.15

Black Magic	
Spiralize the outer contour	<input type="checkbox"/>
Only follow mesh surface	<input type="checkbox"/>

Brim	
Brim line amount	4

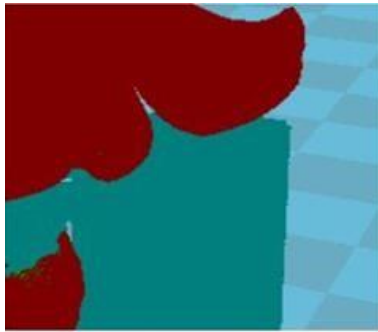
Raft	
Extra margin (mm)	5
Line spacing (mm)	3
Base thickness (mm)	0.3
Base line width (mm)	1
Interface thickness (mm)	0.27
Interface line width (mm)	0.4
Airgap	0.22
Surface layers	2

Fix horrible	
Combine everything (Type-A)	<input checked="" type="checkbox"/>
Combine everything (Type-B)	<input type="checkbox"/>
Keep open faces	<input type="checkbox"/>
Extensive stitching	<input type="checkbox"/>

Ok



60°



45°



30°

It's difficult to separate if the distance between support and the supported place is too close; The surface will be influenced if the distance is too far.

Different angle will generate different support, you can try the examples we provide above which will have different effect.

Expert config ✕

Retraction	
Minimum travel (mm)	1.5
Enable combing	<input checked="" type="checkbox"/>
Minimal extrusion before retracting (mm)	0.02
Z hop when retracting (mm)	0.0

Skirt	
Line count	1
Start distance (mm)	3.0
Minimal length (mm)	150.0

Cool	
Fan full on at height (mm)	0.5
Fan speed min (%)	30
Fan speed max (%)	100
Minimum speed (mm/s)	10
Cool head lift	<input type="checkbox"/>

Infill	
Solid infill top	<input checked="" type="checkbox"/>
Solid infill bottom	<input checked="" type="checkbox"/>
Infill overlap (%)	15

Support	
Structure type	Lines ▼
Overhang angle for support (deg)	60
Fill amount (%)	10
Distance X/Y (mm)	0.7
Distance Z (mm)	0.15

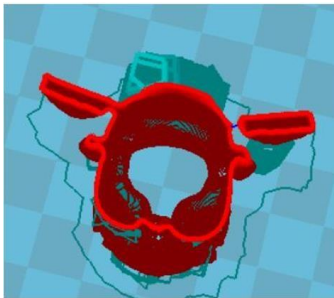
Black Magic	
Spiralize the outer contour	<input type="checkbox"/>
Only follow mesh surface	<input type="checkbox"/>

Brim	
Brim line amount	4

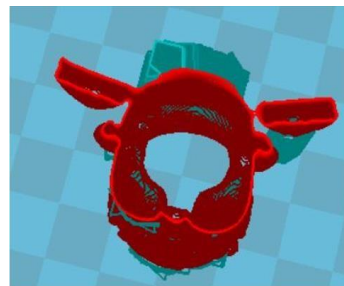
Raft	
Extra margin (mm)	5
Line spacing (mm)	3
Base thickness (mm)	0.3
Base line width (mm)	1
Interface thickness (mm)	0.27
Interface line width (mm)	0.4
Airgap	0.22
Surface layers	2

Fix horrible	
Combine everything (Type-A)	<input checked="" type="checkbox"/>
Combine everything (Type-B)	<input type="checkbox"/>
Keep open faces	<input type="checkbox"/>
Extensive stitching	<input type="checkbox"/>

Ok



When choosing "Spiralize the outer contour" : Z axis rises while X,Y axis moves , and only a hollow bottom and a single layer of surface.



When choosing "Only follow mesh surface" : The nozzle prints along the surface.

Attention: The software defaults not open the option above , you'd better not turn it on .

Expert config ×

Retraction	
Minimum travel (mm)	1.5
Enable combing	<input checked="" type="checkbox"/>
Minimal extrusion before retracting (mm)	0.02
Z hop when retracting (mm)	0.0

Skirt	
Line count	1
Start distance (mm)	3.0
Minimal length (mm)	150.0

Cool	
Fan full on at height (mm)	0.5
Fan speed min (%)	30
Fan speed max (%)	100
Minimum speed (mm/s)	10
Cool head lift	<input type="checkbox"/>

Infill	
Solid infill top	<input checked="" type="checkbox"/>
Solid infill bottom	<input checked="" type="checkbox"/>
Infill overlap (%)	15

Support	
Structure type	Lines
Overhang angle for support (deg)	60
Fill amount (%)	10
Distance X/Y (mm)	0.7
Distance Z (mm)	0.15

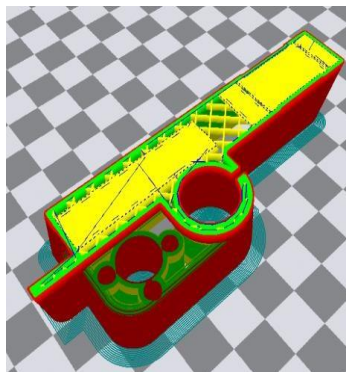
Black Magic	
Spiralize the outer contour	<input type="checkbox"/>
Only follow mesh surface	<input type="checkbox"/>

Brim	
Brim line amount	4

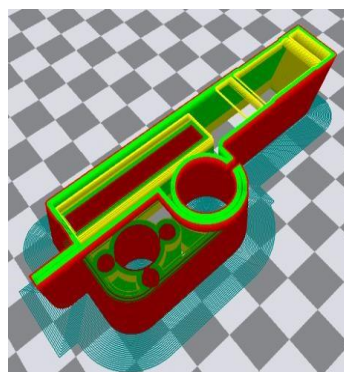
Raft	
Extra margin (mm)	5
Line spacing (mm)	3
Base thickness (mm)	0.3
Base line width (mm)	1
Interface thickness (mm)	0.27
Interface line width (mm)	0.4
Airgap	0.22
Surface layers	2

Fix horrible	
Combine everything (Type-A)	<input checked="" type="checkbox"/>
Combine everything (Type-B)	<input type="checkbox"/>
Keep open faces	<input type="checkbox"/>
Extensive stitching	<input type="checkbox"/>

Ok



Brim line amount: 10



Brim line amount: 20

Guidance to use Brim if needed: Expert → Expert Settings → Support → Support Types → Brim.
 The images above are only for reference , please set the parameter according to actual requirement.

Expert config ×

Retraction	
Minimum travel (mm)	1.5
Enable combing	<input checked="" type="checkbox"/>
Minimal extrusion before retracting (mm)	0.02
Z hop when retracting (mm)	0.0

Skirt	
Line count	1
Start distance (mm)	3.0
Minimal length (mm)	150.0

Cool	
Fan full on at height (mm)	0.5
Fan speed min (%)	30
Fan speed max (%)	100
Minimum speed (mm/s)	10
Cool head lift	<input type="checkbox"/>

Infill	
Solid infill top	<input checked="" type="checkbox"/>
Solid infill bottom	<input checked="" type="checkbox"/>
Infill overlap (%)	15

Support	
Structure type	Lines ▼
Overhang angle for support (deg)	60
Fill amount (%)	10
Distance X/Y (mm)	0.7
Distance Z (mm)	0.15

Black Magic	
Spiralize the outer contour	<input type="checkbox"/>
Only follow mesh surface	<input type="checkbox"/>

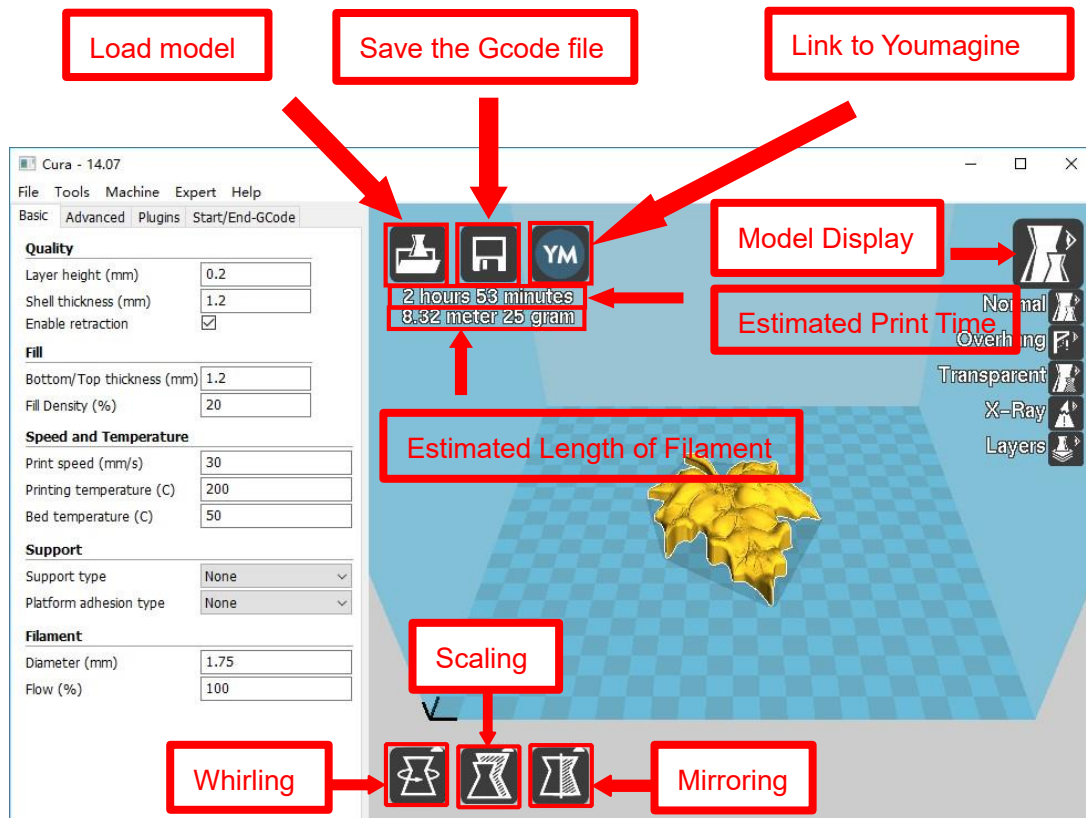
Brim	
Brim line amount	4

Raft	
Extra margin (mm)	5
Line spacing (mm)	3
Base thickness (mm)	0.3
Base line width (mm)	1
Interface thickness (mm)	0.27
Interface line width (mm)	0.4
Airgap	0.22
Surface layers	2

Fix horrible	
Combine everything (Type-A)	<input checked="" type="checkbox"/>
Combine everything (Type-B)	<input type="checkbox"/>
Keep open faces	<input type="checkbox"/>
Extensive stitching	<input type="checkbox"/>

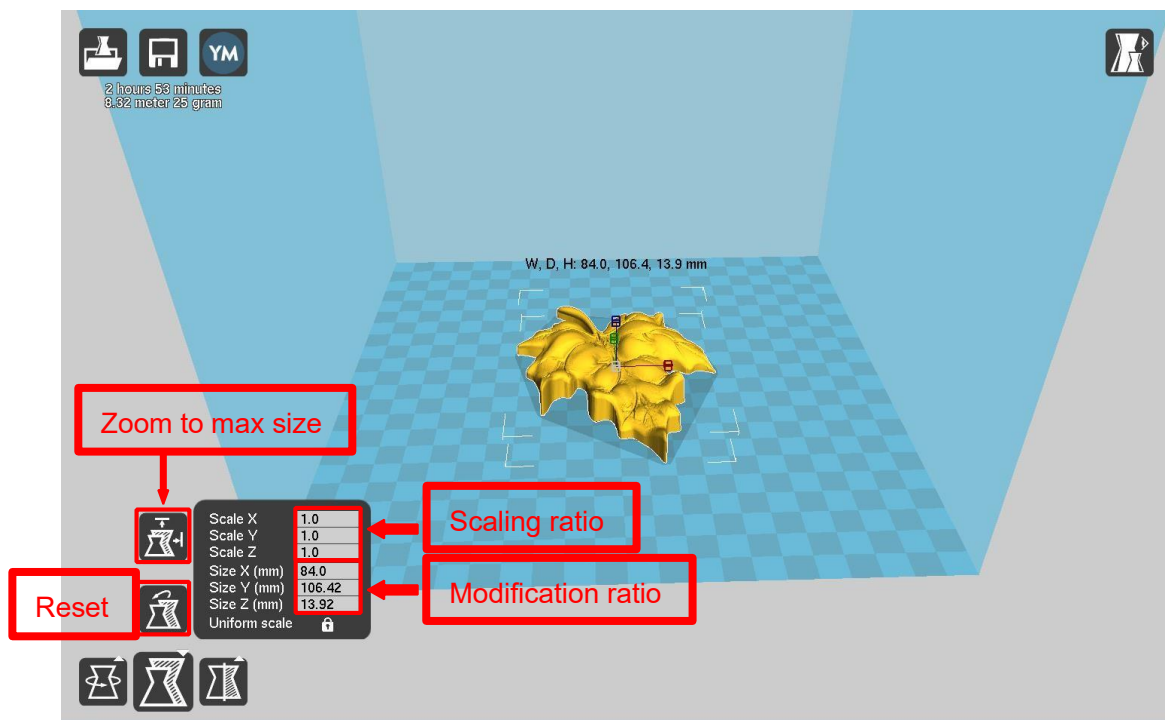
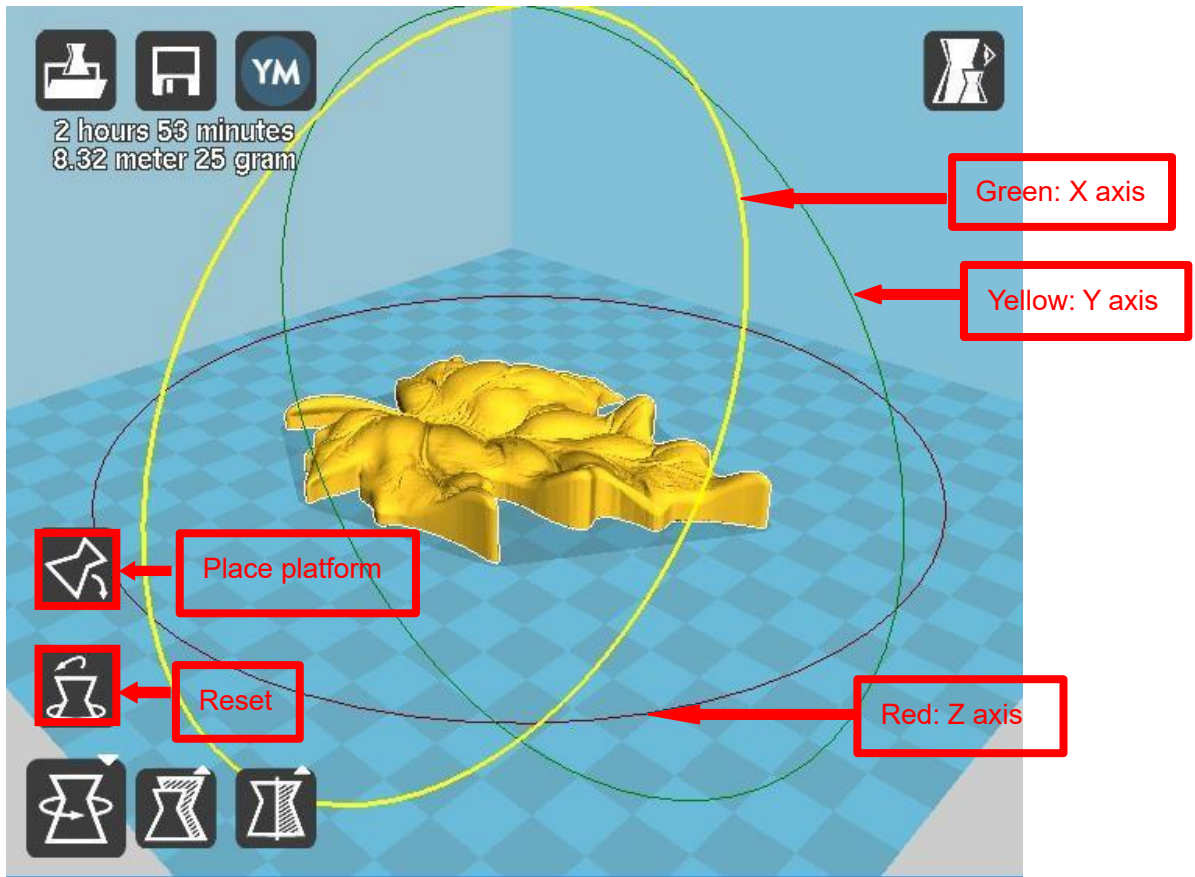
Guidance to use Raft if needed: Expert → Expert Settings → Support → Support Types → Raft.

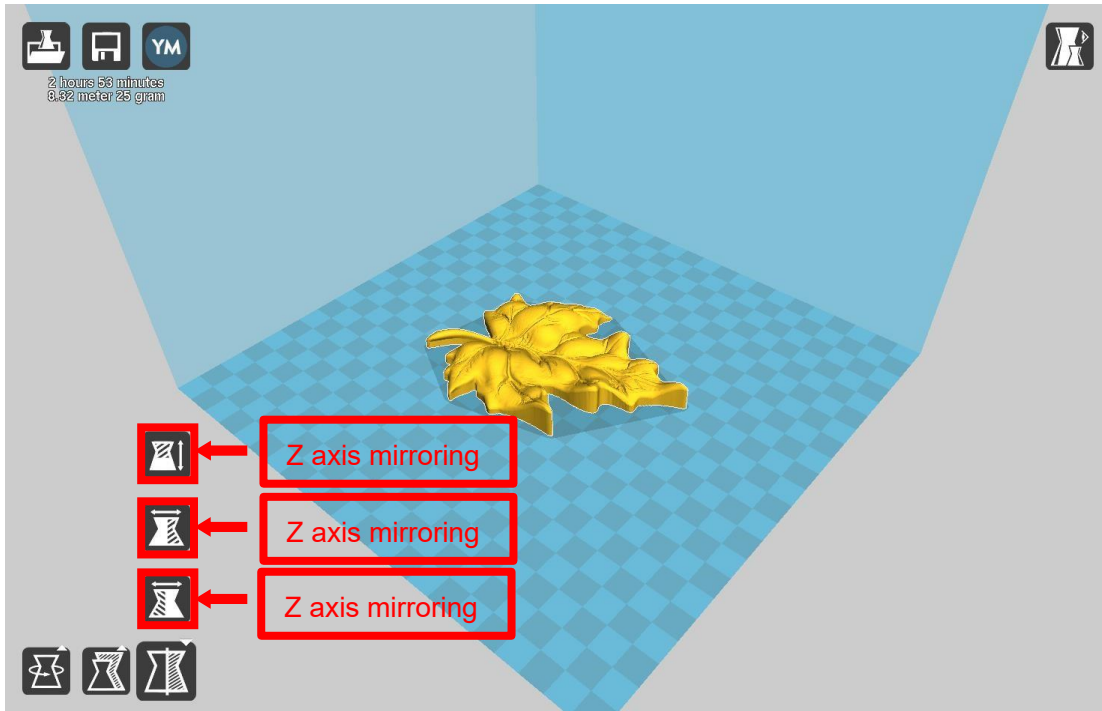
The images above are only for reference , please set the parameter according to actual requirement.



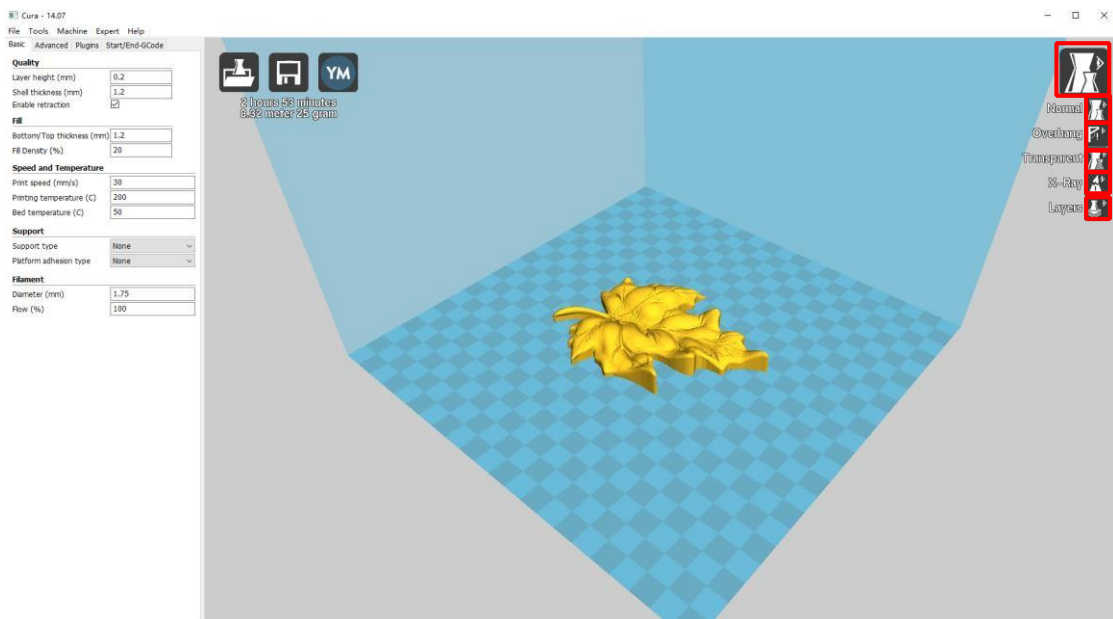
Left click the model and you will see the icon of "whirling, scaling, mirroring."

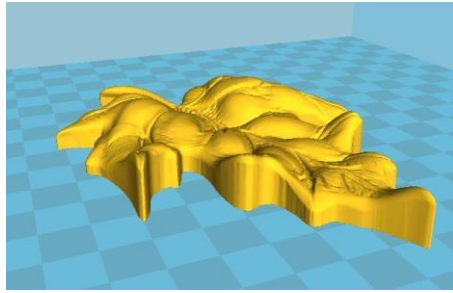
Left click to select model and move → move model.
 Slide mouse wheel → scaling.
 Right click to select model and move → whirling.
 Shift + right click platform and move → move platform



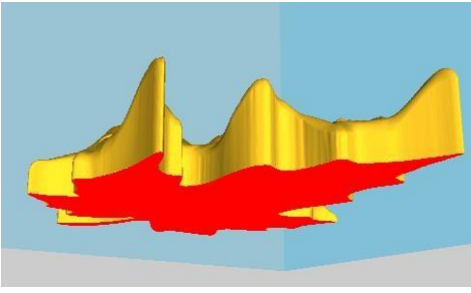


Attention: The model will be converse after mirroring.

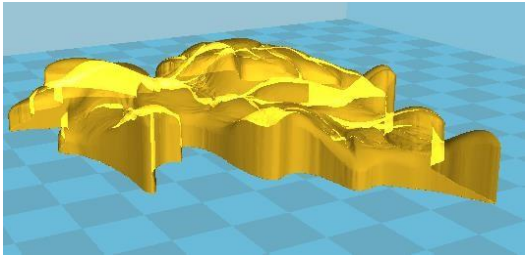




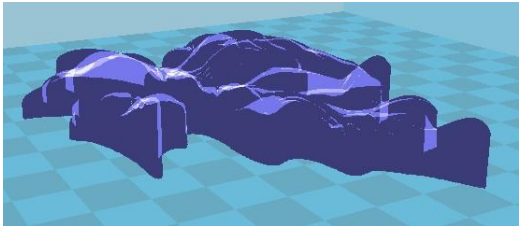
Normal: Most used.



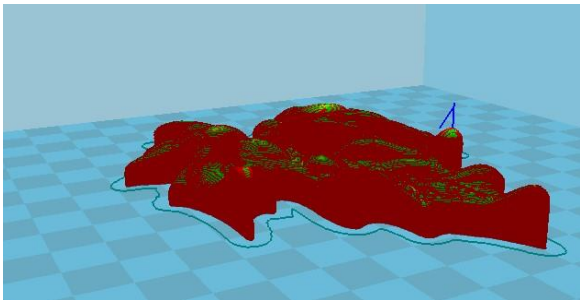
Overhang: Used to see the vacant part.



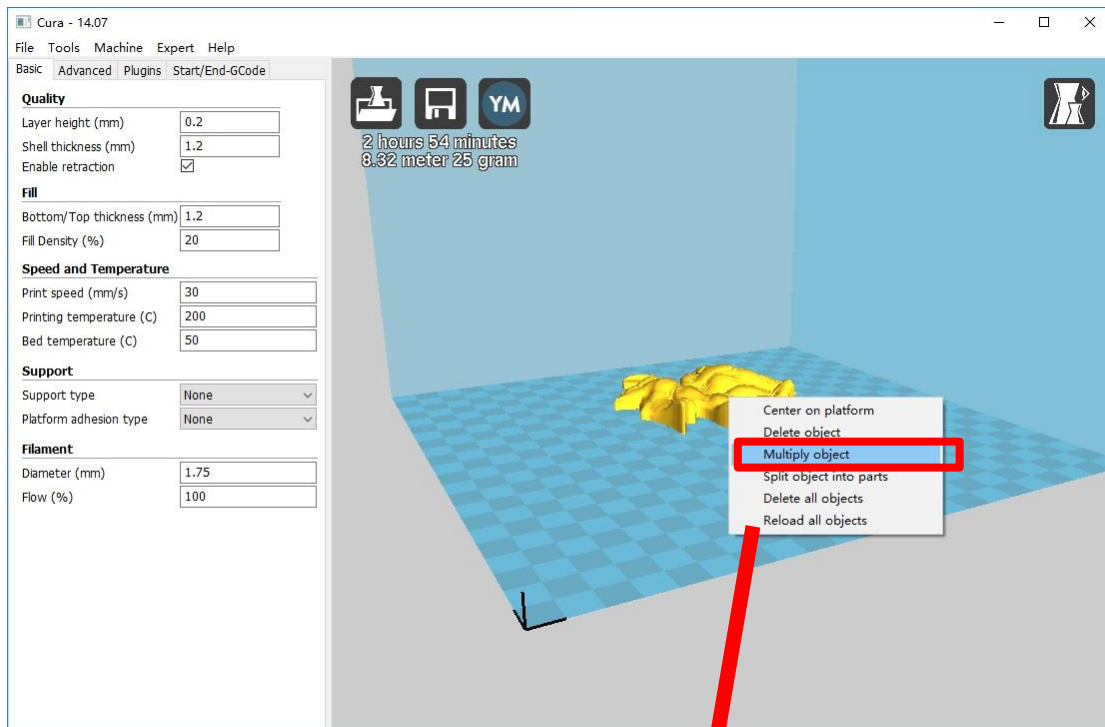
Transparent



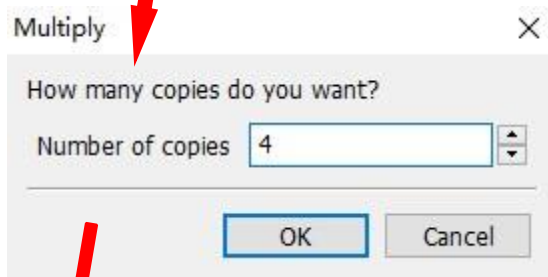
X-Ray



Layers:Used to simulate the effect of each layer and the path.



Right click model → Left click "Multiply object" → Example: copy 4 model



5 models in total

Attention: You can try other functions by yourself.